

Inspiring Young Minds to Embrace Research & Innovation for Vikasit Bharat @ 2047

Compilation of my addresses delivered at
Institutions' and Universities' convocations

Volume-2

PROF. TG SITHARAM
CHAIRMAN, AICTE



“

Education sector should align with the demands of the industrial sector...

AICTE has changed its role from regulator to facilitator....

The unprecedented surge in disruptive technology has generated both hope and fear in the human mind....

Workforce need to be equipped to face surge in disruptive technology....”

”



PROFESSOR

SITHARAM

PREFACE

This book is the compilation of addresses and speeches delivered by the esteemed Chairman of the All India Council for Technical Education (AICTE) Prof. TG Sitharam at various occasions hosted by AICTE Approved Institutions, Industries, Organisations etc.

In an era marked by rapid technological advancements, burgeoning innovation, and dynamic educational landscapes, the leadership provided by the Chairman has been instrumental in shaping the trajectory of technical education in our nation.

Through the pages of this book, readers will embark on a journey through the visionary insights, thoughtful reflections, and strategic directives articulated by the Chairman on various occasions. These addresses, delivered at diverse forums ranging from academic convocations to policy summits, encapsulate the Chairman's unwavering commitment to excellence, inclusivity, and progress in technical education.

As the custodian of India's technical education ecosystem, the Chairman's words resonate with clarity, foresight, and a deep understanding of the evolving needs of our society, economy and Viksit Bharat by 2047. From advocating for curriculum reforms to championing the cause of research and innovation, each speech encapsulates a unique facet of the Chairman's multifaceted vision for the future of technical education in India.

This compilation serves not only as a testament to the Chairman's exemplary leadership but also as a valuable resource for policymakers, educators, researchers, and students alike. It provides invaluable insights into the challenges and opportunities that lie ahead and offers a roadmap for realizing the full potential of India's technical education sector.

This compilation will inspire and inform all those who are committed to the advancement of technical education and the empowerment of future generations.

ABOUT THE BOOK

This book is a powerful compilation of speeches delivered by the Chairman of the All India Council for Technical Education (AICTE) Prof. T.G. Sitharam at various convocation ceremonies, graduation days, and university events across the country. Each address encapsulates a visionary message, inspiring young graduates to embrace innovation, leadership, and societal responsibility.

Through these speeches, the AICTE Chairman not only congratulates students on their academic achievements but also encourages them to think beyond textbooks, apply their knowledge to real-world challenges, and contribute to nation-building. The book serves as a guide for students stepping into the professional world, urging them to develop a mindset of continuous learning, ethical responsibility, and technological adaptability.

A key highlight of this compilation is its emphasis on AICTE's transformative initiatives, such as the National Education Policy (NEP) 2020, Academic Bank of Credits (ABC), multiple entry-exit systems, skilling programs, and support for startups and innovation. The Chairman's speeches underscore AICTE's commitment to empowering students with 21st-century skills, fostering entrepreneurship, and bridging the gap between academia and industry.

This book is not just a record of addresses; it is a source of inspiration for students, educators, and policymakers alike. It reflects AICTE's mission to create a future-ready generation that will lead India's progress in technology, research, and innovation.

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IIT Delhi

Indigenous Knowledge in Civil Engineering in India

Delhi

01 January 2025

Namaskar!

Warm greetings to all!

It gives me immense pleasure to address this distinguished gathering on a subject that not only reflects the brilliance of ancient India but also holds valuable lessons for modern civil engineering: *Indigenous Knowledge in Civil Engineering in India*.

India is home to a rich heritage of indigenous knowledge, much of which has been applied to civil engineering for centuries. These practices, rooted in a profound understanding of local materials, geography, and climatic conditions, showcase the ingenuity of ancient Indian civilizations. They continue to hold relevance for modern engineering, emphasizing a harmonious balance between nature, science, and aesthetics. As India advances technologically, integrating these time-tested methods with modern techniques can lead to sustainable, resilient, and culturally enriched infrastructure development.

The Legacy of Civil Engineering in Ancient India

India's remarkable legacy in civil engineering dates back to the dawn of civilization. The marvels of the Indus-Sarasvati Civilization, as evidenced in Harappa, Mohenjo-Daro, and Dholavira, demonstrate the ingenuity of our ancestors. Planned towns, sophisticated drainage systems, efficient water supply mechanisms, and advanced sanitation systems were hallmarks of this ancient civilization. These urban centers, developed over 4,500 years ago, provide a blueprint for sustainable urban planning even today.

Modern construction has undoubtedly advanced with new materials and techniques. However, these developments often prioritize industrialization and market demand over sustainability. Alarmingly, today's built environment directly emits about 40% of global carbon emissions. The revival and integration of indigenous methods into contemporary practices can provide environmentally conscious

alternatives that reduce the carbon footprint.

Indigenous Practices Across India: Lessons from the Past

The diversity of India's geography and climate has given rise to varied construction techniques and materials, tailored to specific regional challenges. Let us explore some of these ingenious methods:

1. Material Science and Sustainable Construction

India's indigenous expertise in materials and construction techniques showcases a profound understanding of sustainability, resilience, and aesthetics. This expertise is vividly reflected in the use of stone and masonry, which forms the backbone of some of the nation's most iconic architectural marvels.

The **Konark Sun Temple**, for instance, exemplifies advanced stone masonry techniques. Built in the 13th century, this UNESCO World Heritage Site is a testament to the precision and artistic skill of Indian craftsmen. The temple's intricate carvings, massive stone wheels, and complex structural design demonstrate a mastery of sculpting and load distribution. The builders used chlorite, laterite, and khondalite stones, which were locally sourced, ensuring sustainability and longevity. The detailed sculptures adorning the temple are not just artistic expressions but also narrate stories of cultural and spiritual significance.

Similarly, the **Ajanta and Ellora Caves** stand as remarkable examples of ancient rock-cut architecture. Dating back to as early as the 2nd century BCE, the Ajanta Caves feature Buddhist monasteries and

prayer halls, carved directly into basalt rock. The precision required to create such detailed carvings within a monolithic structure speaks volumes about the advanced engineering techniques of the time. Ellora, on the other hand, showcases Hindu, Buddhist, and Jain temples, with the Kailasa Temple being a standout. This massive temple, carved out of a single rock, is a feat of engineering ingenuity and artistic excellence, requiring careful planning to ensure stability and symmetry.

The **forts of India**, such as the **Golconda Fort** in Telangana, further emphasize the durability and strategic use of stone masonry. Built during the reign of the Qutb Shahi dynasty, Golconda Fort is known for its sophisticated acoustic engineering, which allowed for sound signals to travel across vast distances. The fort was constructed using granite, chosen for its strength and availability in the region, making the structure resilient against invasions and natural wear over centuries.

What sets these constructions apart is their sustainable approach. The materials used were often locally sourced, reducing the environmental footprint and ensuring compatibility with the local climate. The stonework also provided natural insulation, maintaining comfortable interior temperatures and reducing the need for external energy resources.

Organic Reinforcements in Construction

The use of organic reinforcements such as **bamboo** and **jute** reflects India's early adaptation of eco-friendly construction practices. These materials, sourced sustainably, offered practical and ecological benefits:

1. **Bamboo:** Often called “green steel,” bamboo has been widely used in construction for scaffolding, structural frameworks, and roofing. Its high tensile strength, flexibility, and rapid renewability make it a remarkable building material. Traditional homes in regions like Northeast India and Kerala often incorporate bamboo, taking advantage of its ability to absorb shocks and withstand heavy loads, especially in earthquake-prone areas.
2. **Jute:** Known for its fibrous strength, jute was used for binding and reinforcing walls in traditional construction. Its natural properties, such as resistance to rot and moisture, made it a suitable choice for humid climates. The integration of jute into construction also supported local economies, as

it was an abundant and easily renewable resource.

These examples underscore the sophistication of India’s ancient builders in understanding material science. Their ability to blend utility, sustainability, and aesthetics into enduring structures offers valuable lessons for modern engineering and sustainable construction practices. By studying these techniques and integrating them into contemporary construction, we can create buildings that are not only durable and efficient but also culturally and environmentally harmonious.

2. Planned Urbanization

Cities like Patliputra, Nalanda, and Varanasi exemplify advanced urban planning principles. These cities were built with a meticulous understanding of geography, climate, and human needs. They featured organized streets, well-designed drainage



systems, and efficient water management structures. The stepwells, or *bauris*, in Gujarat and Rajasthan are another shining example. These structures not only served as drinking water sources in drought-prone areas but were also architectural wonders, blending form with functionality.

Patliputra: The Early Metropolis

Patliputra, the capital of the Mauryan and Gupta Empires, was one of the most advanced cities of its era. Strategically located near the Ganges River, it capitalized on its geographical position for trade, agriculture, and defense. The city featured a grid-like layout with wide streets and clearly demarcated residential, administrative, and commercial zones, ensuring efficient movement and urban management. The drainage systems were remarkably sophisticated, with covered drains and channels designed to manage rainwater and waste, preventing waterlogging and ensuring hygiene.

Nalanda: The Knowledge City

Nalanda, an ancient university city, was not only a center of learning but also a marvel of urban design. Known for its academic brilliance, the city's layout mirrored the intellectual ethos it represented. Nalanda's architectural design included systematically arranged monasteries, lecture halls, libraries, and residential quarters for scholars and students. The city featured efficient water storage and management systems, including tanks and wells, ensuring a steady supply of clean water for its population. Gardens and open spaces were integrated within the city, providing a serene environment conducive to study and reflection.

Varanasi: The Timeless City

Varanasi, one of the oldest continuously inhabited cities in the world, showcases how urban planning can harmonize spirituality, commerce, and daily living. The city's ghats, or riverfront steps, were carefully designed to provide access to the Ganges for bathing, rituals, and cremation, seamlessly blending spiritual practices with functional urban spaces. Varanasi featured a dynamic urban layout, with residential areas, temples, markets, and artisan workshops coexisting, making it a vibrant hub of culture and commerce. Buildings were constructed with natural ventilation and materials suited to the region's climate, ensuring comfort and sustainability.

Stepwells (Bauris): Form and Functionality

The stepwells, or **bauris**, in Gujarat and Rajasthan exemplify India's ability to merge architectural beauty with utilitarian needs. These multi-tiered water storage structures served as lifelines in arid and semi-arid regions. Key features include **Water Conservation**, designed to collect and store rainwater, stepwells ensure a year-round water supply in drought-prone areas, demonstrating a keen understanding of water management.

Stepwells such as **Rani ki Vav** in Gujarat are UNESCO World Heritage Sites, celebrated for their intricate carvings and tiered architecture that seamlessly combined functionality with artistic expression. These structures were more than just water reservoirs; they served as gathering spaces for social and religious activities, fostering community interaction.

3. Water Resource Management

Water management and irrigation were vital aspects of ancient Indian civilization, ensuring agricultural prosperity and sustainable living in various regions. Historical projects like the **Kallanai Dam** and innovative techniques like **Suranga** in Karnataka demonstrate the advanced engineering knowledge and foresight of ancient Indian engineers.

Kallanai Dam (Grand Anicut): A Testament to Irrigation Engineering

The **Kallanai Dam**, also known as the Grand Anicut, is one of the oldest water management projects in the world, showcasing India's expertise in large-scale irrigation engineering. Built during the reign of the **Chola dynasty** in the 2nd century CE, it stands as a testament to the vision and technical acumen of ancient Indian engineers. Key aspects of the Kallanai Dam include:

- **Purpose and Design:** The dam was constructed to divert the waters of the **Kaveri River** for irrigation purposes, ensuring a steady water supply to the fertile delta region.
- **Water Distribution System:** The dam divided the river's flow into multiple channels, efficiently directing water to agricultural fields. This system minimized wastage and ensured equitable distribution, showcasing an advanced understanding of hydrodynamics.
- **Modern Relevance:** The Kallanai Dam continues to be functional today, forming the backbone of irrigation in Tamil Nadu. Its durability and design principles

remain a source of inspiration for modern water management projects.

Suranga in Dakshina Kannada: Ingenious Water Supply Technology

The **Suranga**, a traditional water harvesting and supply system found in **Dakshina Kannada** and parts of Kerala, reflects a unique adaptation to the hilly terrain and heavy monsoon conditions of the region. Originating centuries ago, Suranga demonstrates the integration of local knowledge with practical needs. Its key features include:

- **Structure and Function:** A Suranga is essentially a horizontal tunnel dug into laterite hills to tap into underground water sources. These tunnels channel water naturally, relying on gravity to transport it to storage areas or directly to fields and households.
- **Sustainability:** The construction and operation of Suranga are eco-friendly, requiring minimal external energy or machinery. The method relies on human labor and simple tools, making it cost-effective and sustainable.
- **Community Resource:** Often owned and maintained by communities, Suranga systems ensure equitable access to water resources, promoting social cohesion and shared responsibility.
- **Climate Adaptation:** Suranga's design makes it highly effective in managing water supply during dry periods while being resilient to the region's heavy monsoon rains. This adaptability makes it a model for sustainable water management in similar terrains.

4. Sustainable Construction Materials and Techniques

Sustainability was at the heart of ancient Indian construction practices. Our ancestors used locally available materials, ensuring minimal environmental impact while maintaining structural safety. Examples include:

- **Earthquake-resistant buildings:** The *Ikra/Dhaji Dewari* constructions in Kashmir, *Koti Banal* architecture of Uttarakhand, and *Kath-Kuni* structures of Himachal Pradesh were designed to withstand seismic activity.
- **Traditional houses:** The Bhunga houses of Kutch, bamboo and thatch houses in Assam, and Naalukettu houses of Kerala are perfectly suited to local climatic conditions.

The ingenuity of ancient Indian construction methods showcases a deep understanding of resilience and sustainability.

Sandbox Vibration Isolation Technique is an ancient Indian method used to protect structures from earthquake damage. The method involved placing the foundation of a structure on a bed of sand to dampen seismic vibrations. The sand layer absorbed and dissipated seismic energy, preventing it from reaching the main structure. This method acted as a natural shock absorber, reducing structural damage during earthquakes. This technique is believed to have been used in iconic temples and forts, particularly in earthquake-prone regions. Structures employing this method often displayed remarkable resilience to seismic activity, standing the test of time.

Wattle and Daub Technique: In high-altitude regions, where harsh climates and limited resources posed unique challenges, the wattle and daub technique was widely used. This method involved weaving a lattice of wooden strips (wattle) and coating it with a mixture of mud, straw, and sometimes animal dung (daub). The mud and straw mixture provided excellent insulation, keeping interiors warm during cold winters and cool during summers. The flexibility of the wooden framework allowed the structure to absorb seismic shocks, enhancing its earthquake resistance. This technique is still visible in traditional homes in Himalayan regions and high-altitude settlements, demonstrating its lasting effectiveness.

Lime, Red-Mud, and Brick Construction:

The use of lime, red-mud, and bricks in construction dates back to the Indus Valley Civilization and continued through successive eras of Indian history. **Lime**, known for its natural binding properties and resistance to weathering, was extensively used in ancient Indian constructions, such as forts, temples, and palaces. It also had self-healing properties, allowing structures to endure for centuries. The ancient Harappan cities showcased the earliest known usage of baked bricks. These bricks were uniform, durable, and well-suited for large-scale construction. Many structures built using these materials, such as the stupas of Sanchi, forts of Rajasthan, and other historical edifices, have survived for hundreds or even thousands of years.

Structures built using these materials and techniques exhibit extraordinary longevity, withstanding environmental stresses and maintaining structural integrity over

centuries. The forts of Rajasthan, such as Amber Fort and Jaisalmer Fort, utilized these materials for their robustness and ability to withstand both seismic and climatic challenges. Temples like the Brihadeeswarar Temple in Tamil Nadu showcase the enduring strength of lime and stone-based construction. Cities of the Indus Valley, like Mohenjo-Daro and Harappa, highlight the advanced use of baked bricks and lime in urban planning.

India's temples and monuments demonstrate unparalleled engineering skills. The Konark Sun Temple, Ramappa Temple, and Kailas Temple at Ellora are masterpieces of stone carving and structural stability. The use of rammed earth, lime plaster, and red mud in construction gave these buildings durability spanning centuries.

The Iron Pillar of Delhi, standing tall for nearly 1,900 years without rusting, is another striking example of the technological advancements in metallurgy and engineering.

Lessons for Modern Times

As we move towards sustainable development, there is much to learn from our ancestors:

- Incorporating indigenous techniques into modern construction can reduce carbon footprints.
- Studying ancient water management systems can inspire innovative solutions for today's water crises.
- The focus on local materials and climate-responsive designs must guide future architectural practices

Contemporary Relevance of Indigenous Practices

The indigenous knowledge of civil engineering offers several lessons for contemporary construction:

1. **Sustainability:** Traditional materials like mud, bamboo, and timber have a lower environmental impact compared to modern synthetic materials.
2. **Climate Resilience:** Indigenous techniques are inherently suited to local climatic conditions, offering natural solutions to modern challenges like heatwaves and flooding.
3. **Cost-Effectiveness:** Using locally available materials reduces construction costs while supporting local economies.
4. **Disaster Resilience:** Indigenous methods of building flood and earthquake-resistant structures are being studied and applied in disaster-prone areas.
5. **Cultural Integration:** Preservation of cultural heritage in urban planning, incorporating traditional design elements in modern construction.

Need of Integrating Indigenous Practices in Indian Construction

The objective is to explore the concept of sustainability in construction by examining indigenous construction practices followed in various regions of India, in line with the Sustainable Development Goals (SDGs) that promote safe, resilient, and environmentally friendly human settlements.

As urbanization continues to encroach upon natural habitats and rural areas, there is an urgent need to understand sustainability within the modern construction industry. The global imperative to safeguard the environment for future generations has led to the recognition that embracing sustainable construction practices is crucial. Aligned with this objective, Sustainable Development Goal 11 (SDG 11) calls for action to “make cities and human settlements inclusive, safe, resilient, and sustainable.”

It is the time we should focus on sustainability by exploring the utilization of indigenous construction practices in India. By integrating these practices with contemporary methods, safe and resilient construction is achievable, ultimately protecting the planet. By reconnecting with

traditions and embracing local knowledge, customers, architects, and engineers can adopt construction methods that have proven sustainable over millennia.

We should work on proposing a comprehensive model to reshape future construction practices in India, ensuring a sustainable and culturally enriched built environment for future generations. India’s indigenous knowledge in civil engineering embodies a deep understanding of sustainability, resilience, and aesthetics. These time-tested methods, which blend seamlessly with nature, offer invaluable insights for addressing modern engineering challenges.

Thank you.

Jai Hind!



S-VYASA

Bengaluru

03 January 2025

NAMASKAR!

Warm greetings:

- Shri Jagat Prakash Nadda Ji, Hon'ble Minister of Health and Family Welfare,
- Shri V. Somanna, Minister of Railways, Government of India
- Shri Shripad Naik, Minister of State for New & Renewable Energy, Government of India
- Shri Dinesh Gundu Rao, Minister of Health and Family Welfare, Government of Karnataka
- Dr. H. R. Nagendra Gururji, Padma Shri Awardee, Chancellor, S-VYASA Deemed to be University
- Dr. C. N. Manjunath, Member of Parliament, Bengaluru Rural, Lok Sabha Constituency
- Shri Kris Gopalakrishnan, Co-Founder, Infosys

It is indeed a privilege and an honor to be a part of this momentous occasion – the inauguration of the SVYASA School of Advanced Studies. Today, we celebrate not just the launch of a new educational institution, but a pioneering vision that seamlessly integrates the timeless wisdom of yoga and Indian knowledge systems with

the cutting-edge advancements of modern academia and industry.

The establishment of the first educational campus within a Tech Park is a testament to the forward-thinking ethos of SVYASA. This bold step redefines the paradigm of higher education, bridging the gap between academic pursuits and industrial applications. By doing so, it creates a fertile ground for innovation, collaboration, and holistic learning.

Under the visionary leadership of **Padma Shri Awardee Dr. H.R. Nagendra**, S-VYASA (Swami Vivekananda Yoga Anusandhana Samsthana) has emerged as a beacon of excellence in yoga, health sciences, and education. Recognized globally for its unwavering commitment to integrating the ancient wisdom of yoga with modern science, S-VYASA continues to inspire individuals, institutions, and communities. The institution has achieved remarkable milestones and contributed significantly to societal well-being. S-VYASA and Dr. Nagendra exemplifies the transformative power of education and spirituality, paving the way for a healthier, happier, and more harmonious world.

India has always been a cradle of knowledge and enlightenment. Our ancient scriptures and practices have provided the world with

invaluable insights into health, wellness, and the interconnectedness of mind, body, and spirit. At the same time, our nation is rapidly becoming a global hub for technological advancement and industrial growth. The SVYASA School of Advanced Studies embodies the confluence of these two strengths, presenting a model for education that is not just multidisciplinary but transformative.

As the Chairman of AICTE, I have witnessed firsthand the transformative power of education in shaping individuals, societies, and nations. Institutions like SVYASA play a crucial role in this journey. By integrating yoga and Indian knowledge systems with contemporary education, you are not only preserving our rich cultural heritage but also equipping students with the tools to navigate and excel in a rapidly evolving global landscape.

I must commend Dr. H R Nagendra Guruji and the entire SVYASA team for their unwavering dedication to this noble cause. Your efforts to harmonize tradition and modernity serve as an inspiration to educational institutions across the country. This initiative aligns perfectly with the objectives of the National Education Policy (NEP) 2020, which emphasizes holistic and multidisciplinary learning, the promotion of Indian knowledge systems, and fostering industry-academia linkages.

It gives me immense pride to announce that AICTE has declared 2025 as the Year of Artificial Intelligence (AI). This significant step aligns with our vision to drive technological innovation, harnessing AI's transformative potential in education, research, and societal development.

In light of this declaration, I humbly request **S-VYASA** to consider integrating Artificial

Intelligence into its existing practices, ensuring that the synergy between yoga, holistic health, and technology continues to inspire innovation and inclusivity.

By leveraging AI, S-VYASA can develop personalized yoga therapy programs based on individual health parameters. Machine learning algorithms can analyze data from wearables and medical records to tailor yoga regimens for specific health conditions. AI-powered virtual assistants and trainers can expand S-VYASA's reach globally by offering real-time guidance, corrections, and feedback to yoga practitioners through apps or online platforms.

To the students who will walk the halls of this magnificent campus, I urge you to embrace this unique opportunity. Remember, education is not merely about acquiring knowledge; it is about applying that knowledge to create a meaningful impact on society. Let this institution be the launchpad for your dreams, aspirations, and innovations.

As we inaugurate this campus today, we are also laying the foundation for a future where education is not confined to classrooms but is a dynamic, lifelong journey. A future where the principles of yoga—balance, harmony, and mindfulness—guide us in addressing the challenges of the modern world.

In closing, I once again extend my heartfelt congratulations to SVYASA for this remarkable achievement. May this campus become a beacon of excellence, nurturing leaders and innovators who will contribute to the progress of our nation and the well-being of humanity.

Thank you, and I wish you all the very best for this new beginning.

AMET University

Tamil Nadu

January 4, 2025

Namaskar!

Good morning, everyone.

Honorable Vice Chancellor, distinguished faculty members, proud parents, esteemed guests, and, most importantly, dear graduates—

It is with immense joy and pride that I stand before you today at this momentous occasion. I extend my heartfelt gratitude to AMET Deemed to Be University for inviting me to deliver the Convocation Address at India's first maritime university, a pioneering institution that has charted its course as a beacon of excellence in maritime education, training, and research.

To all of you seated here, adorned in your academic regalia, let me begin by saying—**Congratulations!** Today is a day of celebration, of culmination, and of new beginnings. It marks not only the completion of your academic journey but also the start of an exciting voyage into the vast and uncharted waters of life and career.

The Role of AMET in Shaping Maritime Excellence

AMET is no ordinary institution. Nestled along the scenic East Coast Road, overlooking the Bay of Bengal, this university has not only transformed lives but also advanced India's global maritime standing. From its humble beginnings in 1993 with just 14 cadets, AMET has grown into a distinguished institution, serving as an ocean of knowledge for over 3,500 students annually.



With its esteemed membership in the International Association of Maritime Universities and the accolade of being India's first Deemed to Be University for maritime education, AMET has consistently set benchmarks of excellence. AMET's mission to produce intellectual capital for the global maritime industry resonates strongly with the vision of the All India Council for Technical Education (AICTE). As the apex body for technical education in India, AICTE is proud to witness institutions like AMET embodying the spirit of innovation, industry readiness, and societal contribution.

As we celebrate your achievements today, let us not forget the unique challenges and immense responsibilities that lie ahead. The maritime industry is the lifeblood of global trade, with over 90% of the world's goods transported by sea. The role of professionals like you is indispensable in ensuring the seamless movement of goods, the adoption of sustainable maritime practices, and the advancement of cutting-edge technologies such as automation, artificial intelligence, and green shipping.

Modern India's maritime prowess manifests across all domains with its impressive

7,500 km coastline, 13 major ports, and 200 non-major ports, establishing it as an undisputed maritime powerhouse. Indian port's remarkable annual handling capacity of **1,200 million tonnes of cargo** underscores the maritime sector's pivotal role in our economic landscape. The maritime sector facilitates an extraordinary **95% of India's trade volume, and that accounts for 70% of its value**, capitalising on our strategic Indian Ocean position. This ambition cannot be realized without visionary institutions like AMET and the exceptional talent nurtured within its walls.

To the graduating class of 2025, let me share three lessons that I hope will serve as guiding stars as you embark on your journey:

1. **Embrace Lifelong Learning:**

The world you step into is constantly evolving. New technologies, challenges, and opportunities will arise. Never stop learning, unlearning, and relearning. Whether it is mastering advancements in ship design, adopting green energy solutions, or understanding global trade policies, staying updated will be your greatest asset.





2. **Innovate for a Sustainable Future:**

The maritime industry stands at the crossroads of change. Climate change, decarbonization, and digital transformation demand innovative solutions. Use your skills to contribute to sustainable practices that not only benefit the industry but also preserve our oceans and the planet.

3. **Serve with Integrity and Excellence:**

As mariners, engineers, scientists, and leaders, your roles demand the highest levels of discipline, integrity, and excellence. Uphold these values, for they will not only define your professional success but also shape the reputation of the industry and your alma mater.

None of this would have been possible without the relentless efforts of AMET's exceptional faculty and staff. To the faculty members—your dedication to nurturing intellectual capital and fostering innovation has made AMET a preferred destination for maritime and marine-related education.

To the proud parents—this is your day as much as it is theirs. Your sacrifices, guidance,

and unwavering belief in your children have been instrumental in their success.

And to the graduates—you are now part of a rich legacy, a fraternity of AMET alumni who have gone on to achieve remarkable feats in the maritime world. Carry this legacy with pride and make your mark in the world.

As you set sail from the harbor of this university into the vast ocean of opportunities, remember that your learning does not end here. It is merely the beginning. Be bold, resilient, and compassionate in all your endeavors. The world awaits your contributions—whether in revolutionizing maritime technology, fostering cross-cultural understanding, or shaping policies that impact the future of global trade.

On behalf of AICTE and the entire nation, I extend my best wishes for your journey ahead. You are the torchbearers of India's maritime future, and I am confident that you will steer the ship of progress with courage, innovation, and determination.

Congratulations, once again. May your sails always catch favorable winds, and may your journey ahead be one of fulfillment and success.

Thank you.



Guru Ghasidas Vishwavidyalaya

Bilaspur, Chhattisgarh

15th January 2025

Namaskar!

Warm greetings to:

- Hon'ble Vice President of India Shri Jagdeep Dhankhar Ji
- Hon'ble Governor of Chhattisgarh Shri Ramen Deka Ji
- Vice Chancellor, GGV Bilaspur Prof Alok Kumar Chakrawal Ji
- Distinguished faculty members, proud parents, dear graduates, esteemed guests and media team assembled here

Good morning to all of you. It is indeed an honor and a privilege to be here today as the Guest of Honour for the 11th Convocation Ceremony of Guru Ghasidas Vishwavidyalaya, Bilaspur. On this momentous occasion, I extend my heartfelt congratulations to all the graduates.

Convocation ceremonies are a time of celebration and reflection—a time to acknowledge the hard work, perseverance, and achievements of the students who stand before us today. Graduates, this day marks the culmination of years of dedication and learning, and it is also the



beginning of a new chapter in your lives. As you step into the world as professionals and responsible citizens, you carry with you the values, knowledge, and skills imparted by this esteemed institution.

This university, named after the revered Satnami saint Guru Ghasidas, holds a special place in the hearts of many. Guru Ghasidas was a beacon of hope and a champion for the downtrodden, dedicating his life to fighting against social injustices and

uplifting the marginalized. His relentless struggle for equality, justice, and dignity continues to inspire generations. The values he stood for—compassion, equality, and perseverance—are deeply embedded in the ethos of this institution.

Guru Ghasidas Vishwavidyalaya is not just an educational institution; it is a catalyst for social transformation in this economically and socially challenged region. It stands as a testament to the power of education in breaking barriers and creating opportunities for those who have historically been denied them. This university is playing a pivotal role in uplifting the community, providing quality education, fostering inclusivity, and empowering students to dream beyond their circumstances.

Dear students, you are truly fortunate to be part of such an institution. Studying here means more than just acquiring knowledge;

it means being part of a legacy that strives to make a difference in society. You are not only gaining an education but also inheriting a responsibility to carry forward the mission of social upliftment that Guru Ghasidas envisioned.

The university's commitment to academic excellence, research, and innovation is commendable. By offering a range of programs and initiatives aimed at holistic development, it ensures that students are well-equipped to meet the challenges of the modern world. Whether it's through skill development programs, community engagement, or fostering entrepreneurial spirit, this university is dedicated to creating leaders who will drive positive change.

As graduates of Guru Ghasidas Vishwavidyalaya, you are the torchbearers of this transformative vision. You have been nurtured in an environment that values social justice, inclusivity, and resilience. The education you have received here is not just a means to personal success but a tool to uplift others and contribute to the betterment of society.

As you embark on your professional journeys, I urge you to remain connected to your roots and remember the lessons learned here. Let the values of empathy, perseverance, and equality guide your actions. Use your knowledge and skills to address the challenges faced by your communities and work towards creating a more just and equitable society.

To the faculty and staff, I commend your unwavering dedication to nurturing young minds and shaping future leaders. Your efforts in providing not just education but also moral and ethical guidance are invaluable. You are the pillars of this institution, and your contributions are instrumental in its continued success.





To the proud parents and families, today is a celebration of your unwavering support and sacrifices. Your encouragement has been the foundation upon which these graduates have built their achievements. Congratulations to you all!

Friends, as we stand on the threshold of the Fourth Industrial Revolution, the world is undergoing rapid transformations driven by technological advancements, particularly in artificial intelligence, machine learning, and digitalization. The landscape of education and employment is evolving, and it is imperative that we adapt and evolve with it. I am pleased to see that Guru Ghasidas Vishwavidyalaya is already taking strides in this direction by integrating new-age technologies and fostering a culture of research and innovation.

I am pleased to inform our dignitaries on stage and everyone present that AICTE has declared the year 2025 as the Year of AI. This declaration reflects our commitment to embracing the transformative wave

of Artificial Intelligence. Throughout this year, AICTE will focus on strategizing and implementing schemes and policies that integrate AI into the curriculum, advancing learning methodologies and ensuring our students are equipped with cutting-edge knowledge and skills.

With this forward-looking approach, we aim to introduce young minds to new and emerging technologies. It is imperative that students are not only aware of these advancements but are also comfortable and proficient in their application. Our goal is to cultivate an environment where students embrace new technologies rather than fear them. The message is clear: the earlier we adopt these technologies, the sooner we become proficient, thereby positioning ourselves for success in an AI-driven future.

AI is revolutionizing nearly every aspect of our lives and industries. It is our responsibility to prepare the next generation with the upgraded skills necessary to navigate and



thrive in this rapidly evolving landscape. By incorporating AI into our educational framework, we are not only making our students future-ready but also ensuring they are skill-ready to meet the demands of a tech-driven world.

This initiative underscores AICTE's commitment to fostering a learning ecosystem that aligns with global technological trends, empowering students to be innovators and leaders of tomorrow.

AICTE has been consistently taking proactive measures to train the youth of our country across various sectors and emerging technologies. Very recently, in collaboration with the Department of Science and Technology (DST), AICTE introduced India's first minor degree program in Quantum Technology. This initiative aims to ensure that our students are well-versed in one of the most transformative fields of our time. Our objective is clear: in this era of rapid technological advancements, we must train and equip our youth with the skills needed to be globally competitive.

Similarly, AICTE is deeply involved in upskilling the youth in the semiconductor industry under the framework of India's Semiconductor Mission. This sector is critical to our nation's technological independence and global standing. We are not only focusing on students but also ensuring that our faculty members are up-to-date with the latest advancements through our comprehensive Faculty Development Programs.

These initiatives underscore our holistic approach to education—training both students and educators to excel in cutting-edge technologies. This dual focus ensures that the entire educational ecosystem is robust, dynamic, and ready to contribute to India's growth as a global technology leader.

In the field of innovation and entrepreneurship, AICTE has been extremely active. Our flagship initiative, the Smart India Hackathon, has gained immense popularity and recognition, particularly due to the esteemed presence of Hon'ble Prime Minister Shri Narendra Modi in the program for the past seven years. This event has become a significant platform for young innovators to showcase their talents, solve real-world problems, and contribute to the nation's development.

Continuing our commitment to fostering entrepreneurial spirit, tomorrow, on the occasion of Startup Day, AICTE, is proud to launch Udhymotsav. This unique program is designed to provide a robust platform for young entrepreneurs to pitch their innovative ideas directly to venture capitalists and industry leaders. Udhymotsav aims to bridge the gap between budding entrepreneurs and the investment community, enabling startups to access the necessary resources,

mentorship, and funding to transform their ideas into successful ventures.

Through such initiatives, AICTE seeks to nurture a culture of innovation and entrepreneurship across the educational landscape, empowering students to become job creators rather than job seekers. We believe that by providing the right opportunities and support, our young minds can drive the next wave of economic growth and technological advancement in India.

Now, to our bright and talented youth: India has immense potential, and under the visionary leadership of Hon'ble Prime Minister Shri Narendra Modi, we are receiving countless opportunities to learn, grow, and prove our capabilities. I urge each one of you to make the utmost use of these opportunities. AICTE is here to support you in every possible way. Whenever you face a challenge, reach out to us; we are committed to finding solutions that will help you succeed.

However, remember that success requires effort and continuous effort. It demands continuous upgradation of your skills. In this rapidly changing world, staying stagnant is

not an option. Do not fall prey to wasting your precious time on unproductive activities. Instead, educate yourself, train yourself, and strive to become the leader of your life. Our goal for you is clear: become job givers instead of job seekers.

India's future lies in your hands, and with dedication, hard work, and the right skills, you will not only lead your life but also drive the nation towards unparalleled growth and prosperity.

Moreover, I encourage you to think beyond individual success and contribute to the greater good. As engineers, scientists, educators, and leaders, you have the potential to drive positive change in your communities and the nation. Let your education be a beacon of hope and a tool for transforming society. Your innovation and creativity can address pressing challenges such as sustainability, poverty, healthcare, and education.

Congratulations once again, and I wish you all success and fulfillment in your future endeavors. May you continue to make your alma mater, your families, and your nation proud.

Thank you, and Jai Hind!





University of Engineering and Management

Kolkata

18 January 2025

Namaskar!

Warm greetings to:

Honorable Chancellor, Esteemed Members of the Board of Governors, Respected Faculty Members, Distinguished Guests, Proud Parents, and most importantly, Graduates of the Class of 2024,

It is a profound honor and privilege to stand before you today on this momentous occasion of the Convocation Ceremony of the University of Engineering and Management, Kolkata. This day marks the culmination of years of hard work, dedication, and perseverance by each one of you, our graduating students. Today, you are not just receiving a degree; you are stepping into a world full of opportunities and responsibilities.

As you cross this significant milestone, I would like to extend my heartfelt congratulations to all the graduates. Your success today is a testament to your hard work and the unwavering support of your families and mentors.

The University of Engineering and Management, Kolkata, has always been a beacon of excellence in technical

education. Your institution has played a pivotal role in nurturing young minds and equipping them with the skills and knowledge required to thrive in a rapidly changing world. I commend the university for its commitment to fostering innovation, creativity, and holistic development.

As you embark on this new journey, I urge you to embrace the spirit of lifelong learning. The world you are stepping into is dynamic and ever-evolving, driven by rapid advancements in technology and



innovation. It is imperative that you continue to learn, adapt, and grow to stay relevant and make meaningful contributions to society.

Engineering is not just about learning and writing exams; it is about applying your knowledge to create solutions that address real-world challenges. It is about using your skills to make a positive impact on society, to innovate, and to drive progress. I encourage you to think beyond the conventional boundaries, to dream big, and to work towards making those dreams a reality.

In the context of our nation, India is on the cusp of a technological revolution. Initiatives like Digital India, Make in India, and Atmanirbhar Bharat are driving our country towards self-reliance and global leadership. As engineers and managers, you have a crucial role to play in this transformation. Your expertise and innovation will be instrumental in shaping the future of our nation.

I also want to highlight the importance of ethical responsibility and social commitment. As you rise in your careers and achieve professional success, never forget the values of integrity, empathy, and service. Use your position and skills to uplift those around you, to contribute to the betterment of society, and to make a difference in the lives of others.

As we embark on this new year, I am thrilled to share with you some of the pioneering initiatives that AICTE has launched to usher in a new era of technological advancement and entrepreneurial growth.

2025: The Year of AI

Recognizing the transformative potential of Artificial Intelligence, we have declared 2025 as the Year of AI. This initiative is

aimed at fostering AI-driven innovations across various sectors, enhancing the skillsets of our youth, and positioning India as a global leader in AI technology. Through specialized programs, workshops, and collaborative projects, we aim to integrate AI into our educational curricula, ensuring that our students are equipped with the knowledge and tools to excel in this rapidly evolving field.

Inauguration of Udyamotsav for Young Entrepreneurs and Startups

In alignment with our vision to cultivate a robust entrepreneurial ecosystem, we have inaugurated Udyamotsav 2025. This platform is dedicated to celebrating and nurturing the entrepreneurial spirit among young innovators and startups. Udyamotsav provides a unique opportunity for budding entrepreneurs to showcase their ideas, connect with investors, and receive mentorship from industry leaders. With over 300 startups participating and numerous investors engaging in this initiative, we are confident that Udyamotsav will serve as a catalyst for groundbreaking innovations and successful ventures.

These initiatives reflect our commitment to fostering a culture of innovation, creativity, and entrepreneurship. We believe that by empowering our youth with the right resources, guidance, and opportunities, we can drive significant advancements in technology and contribute to the socio-economic development of our nation.

AICTE has been consistently taking proactive measures to train the youth of our country across various sectors and emerging technologies. Recently, in collaboration with the Department of Science and Technology (DST), AICTE



introduced India's first minor degree program in Quantum Technology. This initiative ensures that our students are well-versed in one of the most transformative fields of our time. Our objective is clear: in this era of rapid technological advancements, we must equip our youth with the skills needed to be globally competitive.

Similarly, AICTE is actively engaged in upskilling the youth in the semiconductor industry under the framework of India's Semiconductor Mission. This sector is vital to our nation's technological independence and global standing. We are not only focusing on students but also ensuring that our faculty members stay abreast of the latest advancements through comprehensive Faculty Development Programs.

These initiatives underscore our holistic approach to education—empowering both students and educators to excel in cutting-edge technologies. This dual focus ensures that the entire educational ecosystem is robust, dynamic, and prepared to contribute to India's growth as a global technology leader.

As you graduate today, remember that you are stepping into a world brimming with

opportunities. Embrace the challenges, stay curious, and continue to learn and innovate. The future is yours to shape, and we are confident that you will rise to the occasion, making significant contributions to society and the world at large.

Today, as you don the cap and gown, remember that this is not the end of your learning journey but the beginning of a new chapter. Continue to strive for excellence, remain curious, and never stop questioning the status quo. The knowledge and skills you have acquired here are your tools to build a better future, not just for yourselves but for the world at large.

In conclusion, I once again congratulate the Class of 2024 on this remarkable achievement. I have no doubt that you will go on to achieve great things and make your alma mater proud. Remember, the future is in your hands, and it is what you make of it. We are immensely proud of your achievements and look forward to witnessing the incredible impact you will have in the years to come.

Thank you, and I wish you all the very best in your future endeavors.

Jai Hind!

Outlook Conclave

Future Technologies in Education and Its Impact on Women's Lives and Employment

New Delhi

23 January 2025

Namaskar!

Warm greetings to:

Respected Smt. Annapurna Devi, Hon'ble Union Minister for Women & Child Development, esteemed dignitaries on the dais, distinguished guests, educators, and innovators present here.

I am honored to address this esteemed gathering on the topic **“Future Technologies in Education and Its Impact on Women's Lives and Employment.”**

As the Chairman of AICTE, I have closely witnessed the transformative potential of emerging technologies. History teaches





us that whenever a new technology emerges, it brings with it a mix of optimism and skepticism. When computers were introduced in India, many feared job losses, but today, they are indispensable to our lives and work. Similarly, the emergence of AI tools like ChatGPT has sparked conversations around the impact on jobs. But the real question is not about resisting technology—it is about embracing it and leveraging its potential to create new opportunities.

And when it comes to embracing technology, women are proving to be trailblazers, often outpacing men in adopting and excelling at using advanced technologies.

The Power of Future Technologies in Education

The rapid advancements in digitalization, artificial intelligence, blockchain, and virtual and augmented reality are reshaping how we educate and learn. These technologies are not just tools but powerful enablers of personalized, inclusive, and immersive learning experiences.

For women, particularly those in rural and underserved areas, these advancements are game-changers. Online platforms, AI-driven tutoring, and virtual classrooms allow women to access quality education from anywhere, overcoming geographical, social, and cultural barriers.

At AICTE, we are proud to play a pivotal role in this transformation. Initiatives like virtual labs, remote internships, and skill-based online courses ensure that women across the country can benefit from world-class education and training without leaving their homes.

Bridging the Gap Between Education and Employment

The intersection of technology and education is also reshaping employment opportunities for women. Sectors like IT, healthcare, finance, and advanced



manufacturing are welcoming women trained in cutting-edge technologies. The rise of the gig economy and remote work has further opened doors for women to excel in roles that were previously out of reach.

AICTE's initiatives and schemes, such as the **Internship portal, Career Portal, SARASWATI Scheme, Amazon WOW (Women of World) Initiative etc.**, are designed to bridge this gap by providing access to industry-relevant resources and opportunities aligned with the demands of Industry 4.0.

While technology is a powerful enabler, it is not a standalone solution. To truly empower women, we need to foster an ecosystem that promotes inclusivity, mentorship, and sustained support. AICTE is committed to building this ecosystem by collaborating with industries, institutions, and government bodies. Through scholarships, specialized skill-building programs, and networking opportunities, we aim to ensure that women not only participate in but also lead this transformation.

When women are part of the technological and educational transformation, they bring unique perspectives, empathy, and innovation to every challenge they tackle. Empowering women with future-ready skills is not just about individual success—it uplifts families, strengthens communities, and accelerates national progress.

As we stand at the cusp of a new era driven by technology, let us pledge to ensure that no woman is left behind. Education is not merely about imparting knowledge—it is about enabling individuals to shape a brighter future.

By harnessing the power of future technologies, we can unlock the boundless potential of our daughters, sisters, and mothers. Together, let us build a society that is not just progressive and prosperous but also equitable and inclusive.

Thank you.

Jai Hind!

Jai Bharat!





Principals' Symposium

January 24, 2025
The Oberoi, New Delhi

Association with



Principals' Symposium

January 24, 2025
The Oberoi, New Delhi



Atria University

Topic: The Artificial Leap: Transforming the Future of Education and Careers with the National Education Policy 2020

New Delhi

24 January 2025

Namaskar!

Good morning, distinguished educators, school leaders, counselors, and esteemed guests,

It is both an honor and a privilege to be here today at this pioneering Workshop on Artificial Intelligence in Education and Careers, organized by Atria University. I extend my heartfelt gratitude to the organizers for inviting me to address this esteemed gathering and to be a part of such an impactful discussion.

As we gather here in the heart of our nation's capital, let us acknowledge the significance of this moment. Education, as we know it, is undergoing a profound transformation. The catalysts for this change are numerous, but among them, one stands out with unmatched potential: Artificial Intelligence (AI). Coupled with the visionary framework of the National Education Policy (NEP) 2020, AI has become a powerful tool to redefine the way we educate, learn, and prepare for the future.

The National Education Policy 2020 is not just a policy; it is a roadmap for building an equitable, inclusive, and future-ready



education system. With its emphasis on multidisciplinary learning, flexibility, and holistic development, NEP 2020 aligns seamlessly with the needs of the 21st century. Its principles underscore the importance of preparing learners not just for jobs of today but for industries of tomorrow.

AI, as a transformative force, is integral to realizing this vision. It enables adaptive and personalized learning pathways, supports competency-based education, and fosters innovation. The integration of AI into the education ecosystem is not just a technological advancement; it is a revolutionary leap forward in creating an education system that caters to the diverse needs and aspirations of learners.

AI in Education: Empowering Institutions and Learners

The applications of AI in education are vast and varied. Allow me to elaborate on three critical areas where AI is creating ripples of change:

1. **Personalized Learning:** AI empowers educators to understand the unique learning needs of each student. By analyzing data on student performance, behavior, and engagement, AI systems can recommend customized learning materials and pathways. For instance, platforms powered by AI can identify a student's strengths and weaknesses in real time and provide targeted interventions to ensure academic success.
2. For school leaders and counselors, this means the ability to create learning environments that are truly inclusive and student-centric.

By leveraging AI, schools can cater to diverse learning styles and needs, ensuring no child is left behind.

3. **Teacher Empowerment:** AI is not here to replace teachers but to augment their capabilities. From automating administrative tasks to providing actionable insights on student progress, AI allows educators to focus on what they do best—teaching and mentoring. Moreover, AI-driven tools can offer professional development opportunities for teachers, enabling them to upskill and stay ahead of the curve.
4. **Career Guidance and Employability:** One of the most exciting applications of AI is in career guidance. AI-powered platforms can analyze emerging industry trends and map them to students' skills and interests. This enables counselors and educators to guide students toward careers that align with their potential and aspirations. AI also plays a crucial role in bridging the gap between education and employment by predicting the skills required for future industries and helping institutions design curricula accordingly.

Ethical Considerations and Challenges

While the benefits of AI are manifold, its integration into education is not without challenges. As we embrace this technology, we must remain cognizant of the ethical implications and ensure that its adoption is responsible and equitable.

1. **Data Privacy and Security:** The use of AI in education involves the collection and analysis of vast amounts of data. Protecting this data and ensuring student privacy must be a top priority. Institutions must adopt robust data governance frameworks to safeguard sensitive information.
2. **Bias in AI Algorithms:** AI systems are only as good as the data they are trained on. To prevent biases that could perpetuate inequalities, we must ensure that AI algorithms are transparent, fair, and inclusive. This requires a collaborative effort between educators, technologists, and policymakers.
3. **Accessibility:** AI has the potential to bridge educational divides, but only if it is accessible to all. We must work to ensure that the benefits of AI reach students in rural and underserved areas, overcoming barriers of infrastructure, affordability, and digital literacy.

AICTE's Role in Advancing AI in Education

At AICTE, we recognize the transformative potential of AI and are committed to fostering its adoption in the education ecosystem. Our initiatives are aligned with the vision of NEP 2020 and aim to equip both educators and students with the tools they need to thrive in the age of AI.

In fact, AICTE has declared the year 2025 as the YEAR OF AI, in which we are planning to come up with a lot of initiatives and schemes which will promote the right use of AI among students and educators. I would like to highlight some of our activities with respect to AI.

1. **Skill Development Programs:** AICTE has launched several programs to promote skill development in emerging technologies, including AI. These initiatives are designed to upskill students, faculty, and industry professionals, ensuring that they are prepared for the demands of the future workforce.



2. **Integration of AI in Curricula:** We have introduced model curricula that incorporate AI and related technologies into engineering and technical education. By embedding AI into the academic framework, we are preparing students to navigate and lead in AI-driven industries.
3. **Collaborations with Industry:** AICTE is actively collaborating with industry leaders to provide students with hands-on experience in AI applications. Partnerships with organizations like Microsoft, Google, and IBM have enabled us to offer cutting-edge resources and training to students and educators alike.

As we look to the future, it is clear that AI will play a central role in shaping education and careers. However, technology alone cannot drive transformation. It requires a collective effort—a partnership between educators, policymakers, technologists, and industry leaders. Together, we must:

- Foster a culture of lifelong learning that embraces technological advancements.

- Promote research and innovation in AI to address the unique challenges of education.
- Ensure that the integration of AI aligns with the core values of equity, inclusivity, and accessibility.

In closing, let me reiterate that the convergence of AI and NEP 2020 represents a golden opportunity to redefine education in India. It is a chance to empower not just students but entire communities. For the school leaders and counselors gathered here today, you are the torchbearers of this change. Your efforts to integrate AI into your institutions will shape the future of education and, by extension, the future of our nation.

Let us seize this moment to harness the power of AI, guided by the vision of NEP 2020, to create an education system that is innovative, inclusive, and future-ready. Together, we can ensure that every learner has the opportunity to thrive in an AI-driven world.

Thank you, and I wish you a fruitful and inspiring workshop.

Jai Hind!



Sri Sri University

AI (Artificial Intelligence) Week in line with the declaration of 2025 as AI year by AICTE

Virtual

25 January 2025

Namaskar!

Warm greetings to distinguished Guests, Esteemed Faculty Members, Respected Leaders from the AI Industry, Dear Students, and Participants.s

Good morning! I am truly honored to join you today for the Grand Valedictory Event of AI Week at Sri Sri University. My heartfelt congratulations to the university for organizing such an insightful and enriching initiative, bringing together thought leaders, researchers, and young minds to explore the transformative potential of artificial intelligence.

At the outset, I would like to commend Sri Sri University for aligning this remarkable week with AICTE's declaration of 2025 as the Year of Artificial Intelligence. This alignment demonstrates your commitment to staying at the forefront of innovation and fostering a culture of learning and excellence in the field of technology.

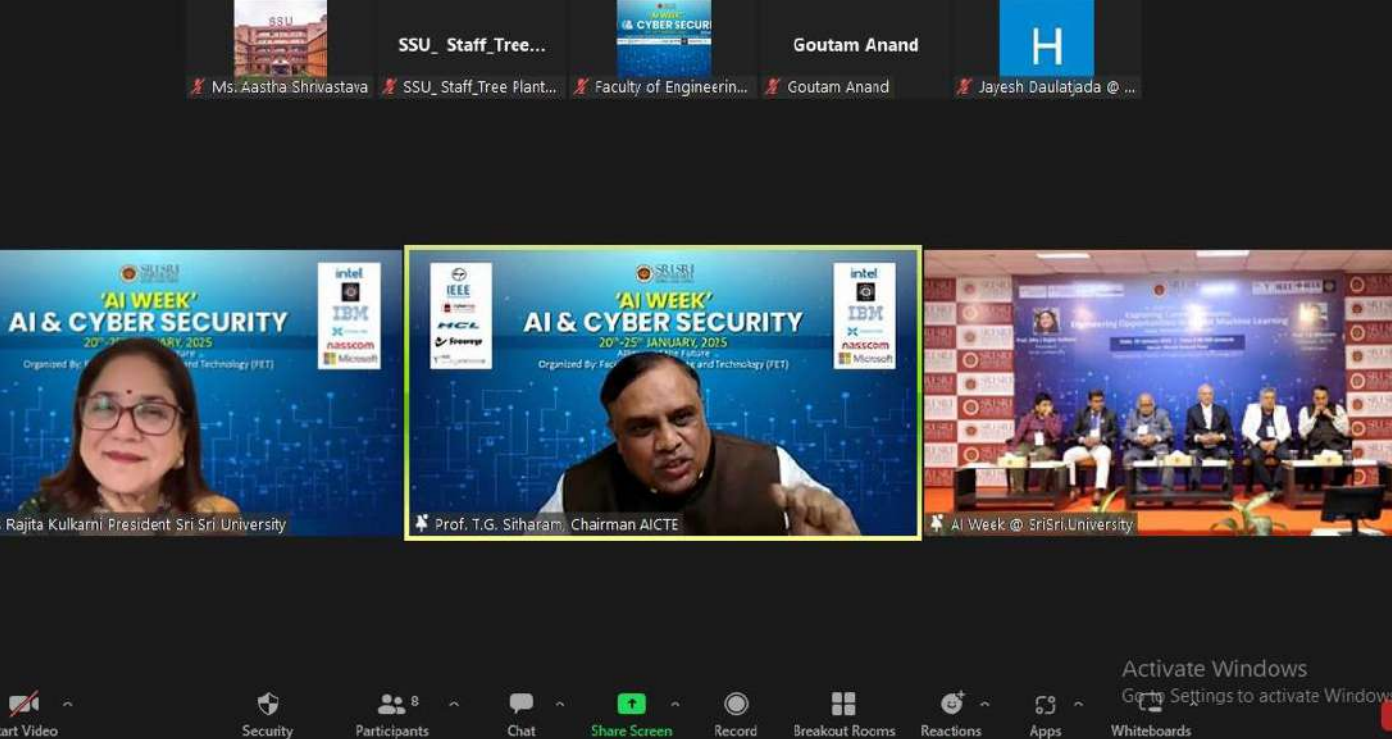
Sri Sri University's AI Week has been a testament to the power of collaboration and the relentless pursuit of knowledge. The impressive array of activities—from the roundtable discussions on “AI and

Cybersecurity” to hands-on workshops on machine learning, generative AI, and advanced AI applications—has laid a solid foundation for your students, faculty, and participants to harness the potential of AI for societal good.

The involvement of leading organizations such as Intel, IBM, Microsoft, NASSCOM, HCL, and others underscores the importance of building bridges between academia and industry. It is through such synergies that we can accelerate innovation, enhance employability, and address the challenges of the 21st century.

AI and the Changing Landscape

Artificial intelligence is no longer a technology of the future; it is shaping the present and redefining every facet of our lives—from healthcare and education to agriculture and cybersecurity. As we stand at the threshold of this AI-driven era, the question is not whether AI will transform our lives but how we can use it responsibly, ethically, and inclusively to create a better future.



AI has the potential to bridge gaps in education, making learning accessible to every corner of our country. It can empower farmers with precision agriculture, provide affordable healthcare solutions, and ensure secure and resilient infrastructure. However, with great power comes great responsibility. As AI professionals and enthusiasts, it is our duty to ensure that the solutions we build are fair, transparent, and inclusive, leaving no one behind.

The Role of Academia and Industry

The role of academia is pivotal in nurturing the next generation of AI leaders. Initiatives such as “AI Enterprise,” “AI for All,” and faculty development programs launched by Sri Sri University are excellent examples of how academic institutions can lead the charge in skilling our youth. Programs like these equip students with technical expertise, critical thinking, and an ethical foundation to leverage AI for problem-solving on a global scale.

Industry participation, as seen in this AI Week, is equally significant. The insights and mentorship provided by experts from Intel, Microsoft, NASSCOM, and others highlight the need for an industry-academia symbiosis to drive innovation and prepare students for the demands of the AI workforce.

AICTE’s Commitment to AI Education

At AICTE, we recognize the transformative potential of AI and are committed to integrating it into the core of technical education. Our initiatives, such as the Academic Bank of Credits, multiple entry and exit options, and the integration of AI and emerging technologies in model curricula, reflect this vision.

We are also emphasizing faculty upskilling through programs like the “Faculty Development Program (FDP) in AI” in partnership with global technology leaders. AICTE’s collaboration with industry ensures that our students and educators

remain at the cutting edge of technological advancements, ready to contribute meaningfully to society.

To the students and young innovators present here, you are the architects of India's future. Remember, AI is not just about creating algorithms or building systems; it is about solving real-world problems and making a meaningful impact on society. Let your ideas and innovations serve humanity, uphold ethical values, and contribute to India's vision of becoming a global leader in technology.

As we conclude this transformative AI Week, I urge everyone here to carry forward the knowledge and inspiration gained during these sessions. Let this be the beginning of a journey where we work collectively to

leverage AI for the betterment of society, the environment, and the nation.

Once again, my heartfelt congratulations to Sri Sri University for organizing this successful AI Week and for being a beacon of innovation and knowledge. I am confident that the seeds sown during this week will bear fruit in the form of groundbreaking ideas and impactful solutions.

Thank you for this opportunity to address this vibrant and visionary gathering. Let us embrace the power of artificial intelligence and work towards a future where technology serves humanity with wisdom, compassion, and integrity.

Thank You!

Jai Hind



India Summit 2023

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NEW ZEALAND
EDUCATION
Whānau ki te Ao



NDAL GLOBAL
IN OF EMINENCE DEEMED TO
UNIVERSITY
University Promoting Public Service

QS India Summit

Topic: “Creating Equitable Educational Partnerships Amid Global Uncertainties: India’s Role in Fostering Innovation and Research”

Goa

28 January 2025

Namaskar!

Warm greetings to:

- Shri Jayant Chaudhary, Union Minister of State (Independent Charge) for Skill Development and Entrepreneurship
- Lord Johnson of Marylebone, Former Minister of State for Universities and Science and Executive Chairman, FutureLearn, United Kingdom
- Dr Marjorie Spooner O’Neill MP, Member of the Legislative Assembly, Member for Coogee, Parliamentary Secretary for Transport and Member of the Australian Labor Party
- Matteo Quacquarelli, Vice President, Strategy & Analytics at QS Quacquarelli Symonds, UK
- Other distinguished guests, esteemed colleagues, and friends,

It is both an honor and a privilege to stand before such a distinguished audience here at QS India Summit to narrate my vision on a topic of immense relevance—“Creating

Equitable Educational Partnerships Amid Global Uncertainties: India’s Role in Fostering Innovation and Research.” I extend my gratitude to QS Quacquarelli Symonds and the Ministry of Education for organizing this landmark event that focuses on such a critical theme.

India has always been a land of knowledge and innovation. From ancient centers of learning like Takshashila and Nalanda to our modern institutions, India has contributed immensely to global education. Today, under the visionary leadership of Honorable Prime Minister Narendra Modi, India is advancing its journey to become a Vishwa Guru—a global hub for education, research, and innovation. This Summit is yet another step in realizing that vision by fostering discussions around partnerships, innovation, and equitable education.

The global challenges we face today—pandemics, climate change, technological disruption, and geopolitical uncertainties—have underscored the importance of resilient and equitable educational systems. As the world’s largest democracy and one of its fastest-growing economies, India has a unique opportunity to provide innovative

solutions and equitable partnerships that address these challenges.

We all are aware that the past few years have tested humanity like never before. The COVID-19 pandemic was an unprecedented crisis, disrupting lives, economies, and education systems worldwide. Yet, amidst this adversity, India emerged as a beacon of hope and resilience.

From producing vaccines at scale to ensuring equitable distribution globally, India played a pivotal role. Our scientists, researchers, and healthcare professionals worked tirelessly to develop the Covishield and Covaxin vaccines, which were supplied to over 100 countries under the Vaccine Maitri initiative. This humanitarian effort underscored India's commitment to global partnerships in health, education, and research, even during a crisis.

The pandemic also accelerated India's efforts to digitize education. With innovative platforms like DIKSHA and SWAYAM, we bridged gaps and ensured that millions of students continued their learning journeys. These platforms exemplify how technology can foster inclusivity and equal opportunities, aligning with the ethos of equitable education.

Under the leadership of our honorable Prime Minister, the term 'INNOVATION' has become the cornerstone of India's education policy. The National Education Policy (NEP) 2020 has set a transformative agenda, promoting multidisciplinary learning, digital education, and skill development. Initiatives like the Academic Bank of Credit (ABC) and multiple entry-exit frameworks empower students to chart flexible learning paths. These reforms are not just about policy; they are about creating an educational ecosystem that prioritizes quality, affordability, and accessibility.

Our innovation extends beyond policy frameworks. Through initiatives like Smart India Hackathon, we have encouraged students to solve real-world problems using technology and creativity. AICTE's IDEA Labs fosters innovation by providing hands-on learning opportunities. Such programs are designed to not only prepare students for future challenges but also to make them contributors to global solutions.

India is also leveraging emerging technologies like artificial intelligence, machine learning, and blockchain to enhance teaching and learning outcomes. The AICTE's Virtual Internship Portal, which connects students with industry-driven projects, is an example of how we are bridging the gap between academia and industry through innovation.

Equity is not just an ideal; it is a necessity. In the context of global education, equitable partnerships between Indian and international institutions are crucial for sharing knowledge, resources, and best practices.

AICTE has been at the forefront of promoting international collaborations through various initiatives. Our partnerships with global universities and organizations focus on student exchange programs, joint research, and collaborative projects. For instance, the AICTE Model Curriculum for Space Technology, developed in collaboration with ISRO and international experts, showcases how partnerships can yield high-quality, globally relevant educational content.

Equitable partnerships also mean inclusivity—ensuring that students from all backgrounds have access to these opportunities. AICTE's various scholarship schemes, such as the Pragati, SARASWATI and Saksham scholarships, aim to bridge

gender and ability gaps in education. Through these initiatives, we are not just building partnerships but creating pathways for social and economic mobility.

India's Stability Amidst Global Uncertainties

The COVID-19 pandemic was a wake-up call, reminding us of the fragility of our systems. However, it also demonstrated the resilience of the education sector, especially in India. Digital learning platforms, hybrid models, and online certifications emerged as game-changers.

AICTE played a pivotal role during this period by facilitating the rapid adoption of digital tools and technologies. The NEAT 4.0 initiative (National Educational Alliance for Technology) brought together edtech companies to offer affordable and accessible learning solutions. The resilience demonstrated by our institutions during these uncertain times is a testament to India's capability to adapt and innovate.

Looking ahead, the challenges posed by climate change and economic disruptions require education systems to prioritize sustainability and resilience. AICTE's focus on green skills, in collaboration with organizations like OPPO India, is an example

of how we are integrating sustainability into education. Such initiatives prepare students not just for jobs but for creating a sustainable future.

In a world riddled with uncertainties—whether from wars, economic instabilities, or geopolitical tensions—India has emerged as a haven of stability and progress. Despite the ongoing conflicts in neighboring regions, India has maintained peace within its borders, thanks to strong leadership, robust governance, and a visionary diplomatic strategy.

India's policies reflect its unwavering commitment to non-alignment and constructive diplomacy. These principles have not only ensured internal security but have also elevated India's standing as a global mediator and peacebuilder. This stability has been instrumental in fostering an environment where innovation and research can thrive.

Research and Development: India's Contributions to Global Challenges

India's growing contributions to global research are a matter of pride. From advancements in digital technology



to breakthroughs in healthcare and sustainability, Indian researchers are at the forefront of solving global challenges.

For example, Indian institutions have made significant strides in vaccine development, space technology, and renewable energy. Initiatives like the Silicon Valley Immersion Program provide Indian startups and researchers a platform to showcase their innovations on a global stage.

AICTE has also been instrumental in promoting research through initiatives like AURA (Augmenting Utilization of Research Assets) scheme for the utilization of I-STEM by providing financial support to teachers and students in AICTE approved colleges to make use of the facilities and conduct research, MARGDARSHAN scheme which support research infrastructure in technical institutions etc. By fostering a culture of research, we aim to make India a hub for groundbreaking innovations that benefit not just the nation but the world.

Equitable Education for All

Government policies play a crucial role in shaping the educational landscape. The National Education Policy 2020 has laid a strong foundation for creating an inclusive, equitable, and globally competitive education system. Policies focusing on internationalization, multidisciplinary learning, and skill development are transforming India into a global education leader.

Our National Education Policy (NEP) 2020 is a testament to this commitment, focusing on breaking barriers of caste, creed, and economic disparity to create an equitable education system.

With over 1,100 universities and more than 42,000 colleges, India is home to one of the largest education systems in the world.

The National Education Policy (NEP) 2020 provides a roadmap for transforming this system into one that is inclusive, global in outlook, and focused on research and innovation.

The NEP 2020 was introduced with a clear mission: to redefine education, making it more inclusive, multidisciplinary, and aligned with global standards. It focuses on breaking silos between disciplines, offering multiple entry and exit options, Academic Bank of Credits (ABC), and integrating vocational education into mainstream learning.

The results are evident in the rising aspirations of our youth. By emphasizing mother tongue-based education, experiential learning, and digital tools, the policy ensures that education is accessible to students from all walks of life, regardless of geographical or economic constraints.

Yet, we face challenges, particularly in improving the Gross Enrollment Ratio (GER) in higher education. While significant strides have been made—GER for higher education has risen to 28%, the path to achieving 50% by 2035 demands collective action. This means expanding access, especially for girls and marginalized communities, and fostering an ecosystem that supports lifelong learning.

Advancing Technical Education

Technical education has been a cornerstone of India's development story. Under NEP 2020, we have established **IDEA Labs, Incubation Centers**, where students develop skills for emerging industries like AI, robotics, and blockchain. Initiatives like **Skill India and Startup India** have further created avenues for students to innovate and contribute to global challenges.

Through initiatives like scholarship schemes for marginalized communities, Gender Advancement for Transforming Institutions (GATI), and the Academic Bank of Credits (ABC), India ensures that no student is left behind. The NEP's flexibility, emphasis on multilingualism, and integration of vocational education aim to democratize learning, empowering every section of society to contribute to India's global narrative.

Our emphasis on skilling initiatives, such as Skill India and the Pradhan Mantri Kaushal Vikas Yojana (PMKVY), further bridges gaps by preparing our youth for the demands of the global economy.

India's Latest Achievements: A Global Powerhouse

India's achievements in recent years are nothing short of extraordinary, positioning the nation as a global leader across multiple domains:

1. **TECHNOLOGY:** At the "Technology Dialogue 2025" held at the Indian Institute of Science (IISc), India unveiled the "Vision India Techade," outlining its aspiration to emerge as a global leader in innovation and technology. Science and technology are at the core of India's vision to transform into a global hub for innovation, economic growth, and solutions to critical global challenges such as climate change and public health. With initiatives like the Anusandhan National Research Foundation (ANRF), the National Quantum Mission, and the India AI mission, the country is steadfast in its commitment to making the

2020s a transformative "Techade for India."

2. **ECONOMY:**

- India is poised to dominate the global economic landscape, reinforcing its position as the fastest-growing large economy over the next two fiscal years. According to the January 2025 edition of the World Bank's Global Economic Prospects (GEP) report, India's economy is projected to grow steadily at 6.7% in both FY26 and FY27, significantly outpacing global and regional growth rates. At a time when global economic



expansion is expected to remain at 2.7% in 2025-26, India's exceptional performance stands as a testament to its resilience and growing influence on the global economic stage.

- This extraordinary momentum is attributed to India's thriving services sector and a revitalized manufacturing base, bolstered by transformative government initiatives. Strategic measures such as modernizing infrastructure, simplifying taxation, and fostering a conducive business environment have been pivotal in driving domestic growth and positioning India as a cornerstone of global economic stability. With China's growth projected to decelerate to 4% next year, India's rise symbolizes ambition, innovation, and unparalleled potential.
 - Complementing these achievements, the International Monetary Fund's (IMF) latest World Economic Outlook (WEO) reinforces India's strong economic trajectory, projecting a robust growth rate of 6.5% for 2025 and 2026. This consistent outlook highlights India's stable economic fundamentals and its ability to sustain momentum despite global uncertainties. The combined projections by the World Bank and IMF underscore India's resilience and establish its role as a vital force in shaping the global economic future.
3. **Export-Led Growth Strategy:** India's transformation from an import-substitution model to an export-driven economy is a

testament to its global ambitions. Initiatives like "Make in India, Make for the World" have led to remarkable achievements, such as manufacturing 99% of domestically used mobile phones within the country. Sectors like pharmaceuticals, chemicals, garments, and electronics are now contributing significantly to India's export-led growth.

4. **Skilling for Emerging Technologies:** Recognizing the transformative potential of AI, India has set ambitious targets to train one million individuals in AI tools and skills. These efforts aim to equip the workforce to create innovative applications and solutions for global challenges. Additionally, the government has launched initiatives such as setting up 5G labs in 100 universities and providing advanced EDA tools in 240 institutions to train students in semiconductor design. By aligning education with industry needs, India is creating a future-ready workforce across critical sectors.
5. **A Trusted Global Hub for Manufacturing and Talent:** India's reputation as a trusted global partner is attracting international companies to relocate their supply chains and value chains to the country. With a unique combination of abundant talent, exceptional design capabilities, and nearly 2,000 Global Capability Centers (GCCs) focusing on advanced designs, India is poised to become a leading player in global manufacturing.

6. **Digital Public Infrastructure (DPI): A Game-Changer:** In India, DPI has been instrumental in transforming the digital economy, much like traditional infrastructure for industrial growth. Key achievements include **Aadhaar**, **Unified Payment Interface (UPI)** etc. So far, **138.34 crore Aadhaar numbers** have been generated. **Unified Payment Interface (UPI)** facilitates digital payments and enhances financial inclusion. As on 30 June 2024, it has facilitated **24,100 crore financial transactions**. **DigiLocker**, a platform for digital document verification. It has facilitated more than 37.046 crore users and made available 776 crore issued documents. **Digital Infrastructure for Knowledge Sharing (DIKSHA)**, the world's largest education platform. As on 22nd July 2024, 556.37 crore learning sessions have been imparted using DIKSHA. It has achieved 17.95 crore course enrolments and 14.37 crore course completions.
7. **Road Network in the Country:** India has the second largest road network and its National Highways span a total length of 146,195 km, forming the primary arterial network of the country. The National Highway (NH) network has grown by 60%, rising from 91,287 km in 2014 to 146,195 km currently.
8. **Startup India:** With more than **1.59 lakh startups** recognised by the Department for Promotion of Industry and Internal Trade (DPIIT) as of January 15, 2025, India has

firmly established itself as the **third-largest startup ecosystem in the world**. This vibrant ecosystem, driven by over 100 unicorns, continues to redefine innovation and entrepreneurship on the global stage. Startups in fintech, edtech, health-tech, and e-commerce have tackled local challenges and gained global recognition. Companies like Zomato, Nykaa, and Ola showcase India's shift from job seekers to job creators, driving economic progress.

9. **METRO:** Metro systems have transformed travel in India. **Covering over 1,000 km across 11 states and 23 cities**, millions of people rely on them for quick, easy and affordable travel. With this growth, India has become home to the third-largest metro network in the world. Metros are not just a way to get around—they are changing how we live and move in cities.

India's Vision for Global Educational Partnerships

Education is the cornerstone of India's transformation. As we navigate these uncertain times, we recognize the importance of collaborative efforts to foster innovation and research. India is committed to building partnerships that transcend borders and create solutions for global challenges.

We are actively:

- Partnering with global institutions to exchange knowledge and technology.
- Collaborating on joint research programs to address issues like

climate change, healthcare, and food security.

- Expanding opportunities for international student exchange programs and faculty mobility.

India's Study in India initiative and efforts to internationalize higher education institutions are creating opportunities for students and researchers worldwide to benefit from India's rich intellectual and cultural heritage.

Marching Ahead: India's Role in Shaping the Future

Ladies and gentlemen, India stands at a historic juncture, marching ahead with determination and purpose. Our strong leadership, economic resilience, and emphasis on inclusivity have positioned us as a global leader, capable of addressing not just our own challenges but those of the world.

India envisions a future where education is not a privilege but a right for all. A future where partnerships are built on trust, mutual respect, and shared goals. And a future where the pursuit of knowledge knows no boundaries.

India's Vision for the World: A Peaceful and Inclusive Leader

Let me now reflect on **what India offers the world**. Guided by the ideals of **Vishwaguru (world teacher)** and **Vishwabandhu (global brotherhood)**, India stands as a beacon of peace and collaboration. Our ancient

wisdom teaches us to foster harmony and collective progress, a philosophy that is deeply ingrained in our diplomacy and development efforts. Today, India invites the world to join hands in solving global challenges—whether through equitable education partnerships, sustainable development, or technological innovation. We offer our expertise, our culture of peace, and our spirit of friendship to build a better, more inclusive world.

Ladies and gentlemen, India is at a pivotal moment, ready to lead the global education landscape. Our commitment to inclusivity, stability, and innovation ensures that we not only address our own challenges but contribute meaningfully to global progress.

Let us reaffirm our commitment to fostering partnerships that are equitable, innovative, and transformative. Together, we can shape a future where education transcends boundaries, creating a world that is more inclusive, sustainable, and progressive.

As I conclude, I urge all of you to leverage this platform—the QS India Summit—to forge meaningful partnerships, share innovative ideas, and chart a course for a brighter, more equitable future for global education.

Thank you, and I look forward to the insightful discussions that will unfold during this Summit. Together, let us make education the cornerstone of a resilient and sustainable world.

Thank you.

Jai Hind!

41ST CONVOCATION

Banasthali Vidyapith

Rajasthan

30 January 2025

Namaskar!

Warm greetings to:

- Prof. Siddharth Shastri, President, Banasthali Vidyapith
- Prof., Jyoti Pareek, Vice President
- Prof. Ina Aditya Shastri, Vice-Chancellor
- Esteemed Faculty, Distinguished Guests, Proud Parents, and my Dear Graduates,

I am glad to be here in Banasthali Vidyapith, an institution that has earned immense respect for its commitment to empowering women through education and fostering a culture of excellence and innovation. Today is a day of celebration, a culmination of your hard work, dedication, and perseverance. Congratulations to all the graduates of the Class of 2025!

To the parents and families present here, this is as much your day as it is your ward's.



Your sacrifices, encouragement, and unwavering belief in your children have been instrumental in shaping them into the bright individuals we see today. Please join me in giving a big round of applause to the parents and families.

I must also congratulate the faculty and administration of Banasthali Vidyapith, who have tirelessly mentored these students, not only academically but also morally and ethically, ensuring they become responsible citizens of this great nation. Your dedication to education and innovation is truly commendable.

Dear graduates, as you stand at the cusp of an exciting new chapter in your lives, I urge you to tread carefully yet boldly into the emerging fields that are shaping the world. The future belongs to those who are not just educated but also skilled, adaptable, and forward-thinking. Areas like Artificial Intelligence (AI), Quantum Computing, Space Technology, Green Energy, Biotechnology, and Core Engineering disciplines are no longer just buzzwords—they are the building blocks of a *Viksit Bharat*.

The decisions you make today will determine not just your career but also your contribution to the growth of our nation. Be wise, be vigilant, and above all, be resilient. I call upon you to become the nation's pride by contributing significantly to the development of a self-reliant and globally competitive India.

2025: The Year of AI

I would like to take a moment to discuss a major initiative by AICTE: the declaration of 2025 as the *Year of AI*. This is a visionary step, recognizing the pivotal role Artificial Intelligence is playing across industries. From healthcare to agriculture, education to space exploration, AI is transforming how we work and live.

For students, this means upgrading your skills to stay relevant in an AI-driven world. The same applies to faculty members as well—continuous learning is no longer an option but a necessity. AICTE is committed to ensuring that both students and





educators remain at the cutting edge of knowledge and technology.

To facilitate this, AICTE has developed specialized programs, including a Minor Degree in Quantum Computing in collaboration with the Department of Science and Technology (DST). Similarly, we have collaborated with ISRO to launch a Minor Degree in Space Technology, preparing students for exciting opportunities in India's growing space industry.

Reviving Core Engineering Disciplines

While emerging technologies are vital, AICTE has not forgotten the importance of core engineering disciplines such as Mechanical, Civil, Electrical, and Textile Engineering. These fields are the backbone of India's infrastructure and industrial growth. Through initiatives like the *Yashasvi Scheme*, we are giving a major boost to these disciplines, ensuring they remain relevant and attractive for students.

AICTE also understands the importance of updating curricula to meet industry



demands. For instance, the Electrical Engineering curriculum now integrates modules on smart grids and renewable energy, while the Textile Engineering curriculum incorporates advancements in sustainable fabrics and smart textiles. This dynamic approach ensures that our students remain globally competitive in all sectors.

Skilling and Reskilling

Today, the world demands not just academic qualifications but also skills. AICTE is committed to the mantra of *Skilling, Reskilling, and Upskilling*. I urge you to take advantage of the numerous opportunities available to acquire new skills and refine existing ones. Remember, your learning does not end with graduation—it is a lifelong journey.

Innovation and Entrepreneurship

At AICTE, we are proud to nurture innovation and entrepreneurship. On National Startup Day, we launched our

maiden *Udyamotsav* to celebrate and encourage young innovators. I invite you, the graduates of Banasthali Vidyapith, to come to AICTE with your innovative ideas. Whether you dream of starting your own venture or building a disruptive product, we are here to guide and support you.

AICTE is open to young talent with a zeal for entrepreneurship. We are ready to connect you with mentors, funding opportunities, and incubation centers. Together, let us create a thriving ecosystem for innovation and startups in India.

I also encourage you to follow AICTE on social media. This is where we share all important updates, opportunities, and announcements for students and institutions. Stay connected and informed—it could open doors to scholarships, internships, or workshops that could be life-changing for you.

As I stand here today, I am filled with immense pride and hope for the future. You, the graduates of Banasthali Vidyapith,

represent the best of what India has to offer. You are not just the leaders of tomorrow—you are the torchbearers of our nation's legacy.

Remember, success is not just about personal achievements; it is about giving back to society and contributing to the nation's growth. With your education, skills, and determination, you have the power to transform not only your lives but also the lives of those around you.

Go forth with confidence, stay curious, and never stop learning. Be bold, be innovative, and above all, be compassionate. You are the architects of *Viksit Bharat*. Let your actions inspire others, and may you always make your alma mater and your nation proud.

Congratulations once again, and my best wishes to each one of you for a bright and successful future.

Thank you!

Jai Hind! Jai Bharat!



3RD INTERNATIONAL RESEARCH CONFERENCE 2025

LBSIM

Theme: “Resilience for Sustainability: Management Practices and Strategies for the Future”

Delhi

February 1st, 2025



Namaskar!

Warm greetings to:

- Shri Anil Shastri Ji, Chairman, Board of Governors, LBSIM,
- Dr. Razli Ramli, Faculty, Azman Hashim International Business School, Universiti Teknologi, Malaysia
- Prof. Arup Mitra, Professor and Dean, Faculty of Economics, South Asian University, New Delhi
- Distinguished Faculty Members, Scholars, Industry Experts, Delegates from Sunway University, Malaysia,
- Esteemed Guests, and Dear Students

A very good morning to all of you.

It is indeed a great honor to be here today at the 3rd International Research Conference 2025, organized by the Lal Bahadur Shastri Institute of Management (LBSIM), Delhi, in collaboration with Sunway University, Malaysia. I extend my heartfelt gratitude to the leadership of LBSIM for inviting me to this prestigious event, which has brought together an esteemed gathering of scholars, researchers, and industry leaders from across the world to deliberate on a theme of utmost significance—"Resilience for Sustainability: Management Practices and Strategies for the Future."

The Urgency of Resilience & Sustainability

We live in an era of rapid transformation, where industries, economies, and societies face unprecedented challenges—climate change, technological disruptions, global economic shifts, and evolving workforce dynamics. Sustainability is no longer an

option but a necessity, and resilience is the key to navigating these uncertainties.

As we envision a future that is sustainable, inclusive, and innovative, institutions like LBSIM and Sunway University are playing a pivotal role in fostering research and education that drive positive change. This conference provides a much-needed platform for thought-provoking discussions on sustainable finance, ethical marketing, responsible supply chains, green IT, and resilient business models—all crucial aspects of the future of management.

In this pursuit of resilience and sustainability, higher education institutions must go beyond conventional teaching. We must integrate sustainability into our curriculum, encourage interdisciplinary research, promote industry-academia collaboration, and instill an entrepreneurial mindset in students.

At AICTE, we are committed to fostering a culture of innovation, sustainability, and future-ready skills in technical and management education. Through initiatives such as the National Education Policy (NEP) 2020, Academic Bank of Credits (ABC), AI-driven skilling programs, and green technology research, we are equipping young minds with the tools to drive impactful change.

This conference, with its diverse participation from countries like Malaysia, Nepal, Sri Lanka, South Africa, and Saudi Arabia, is a testament to the global nature of sustainability challenges. The exchange of knowledge and experiences across geographies will help in shaping policies and strategies that are effective, adaptable, and future-ready.

Resilience and sustainability are not just academic concepts; they demand real-world applications. I encourage academia

and industry to collaborate more closely, ensuring that research translates into tangible impact. Startups, MSMEs, and large corporations must actively engage with academic institutions to co-create green business models, circular economy strategies, and sustainable innovations.

The 100+ research papers submitted to this conference reflect the intellectual rigor and commitment of scholars toward this cause. I urge all participants to take inspiration from today's discussions and contribute meaningfully to policy formulation, business strategies, and community-level sustainability efforts.

As we move forward, let us remind ourselves that sustainability is not a choice—it is a

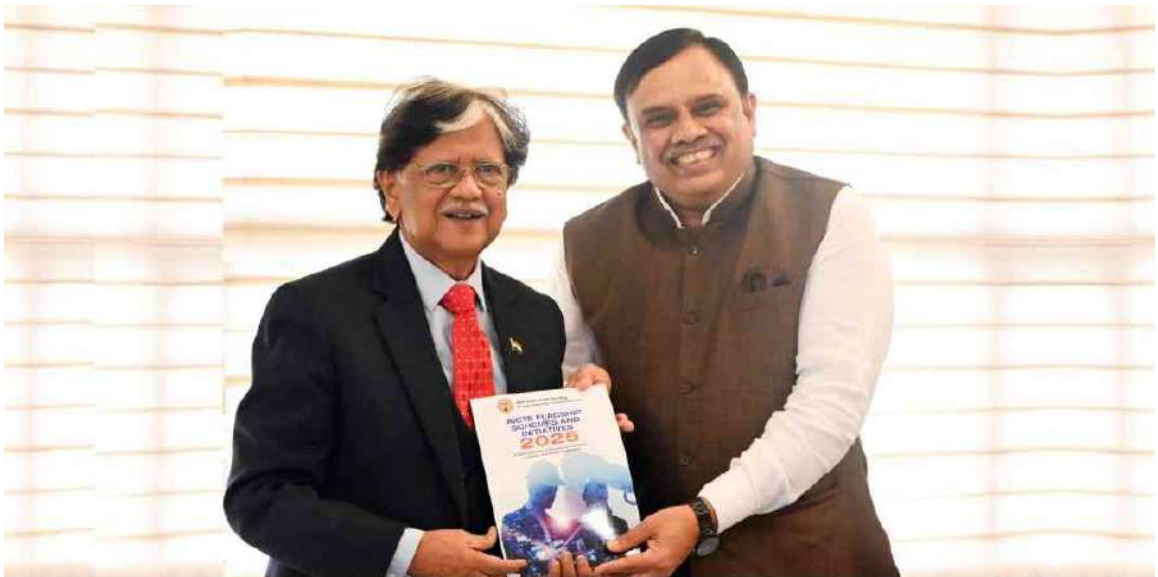
responsibility. Our resilience in the face of adversity will define the kind of future we build for the next generations.

I congratulate LBSIM and Sunway University for curating such a meaningful conference, and I commend all researchers, faculty members, and students for their dedication to advancing knowledge in this crucial domain.

I look forward to insightful deliberations throughout this conference and to witnessing the transformational impact of the ideas shared today.

Thank you.

Jai Hind!





D Y PATIL
INTERNATIONAL
UNIVERSITY
AKURDI, PUNE


D Y Patil International University
Akurdi, Pune
4th Convocation ceremony
2nd February 2023
Tree Planted by Hon'ble Chief Guest
Prof. T. G. Bharam
Chairman, AICTE
Tree - Bay Leaf
Botanico Name : Laurus Nobilis

D Y Patil International University (DYPIU)

Pune, Maharashtra

2nd February 2025

Namaskar!

Warm greetings to:

- Hon'ble Chancellor Dr. Sanjay Patil
- Hon'ble Trustee Shri Tejas Patil
- Vice Chancellor Prof. Prabhat Ranjan
- Esteemed faculty members, distinguished guests, proud parents, and most importantly, the graduating students,

It is an immense honor and privilege for me to stand before you today on this momentous occasion—the 4th Convocation Ceremony of D Y Patil International University. I extend my heartiest congratulations to the graduating students, their families, and faculty members who have played an instrumental role in shaping the bright futures we celebrate today.

To all the graduates, today marks a significant milestone in your lives. This is not just the culmination of years of hard work, dedication, and perseverance—it is the beginning of an exciting journey filled with opportunities, challenges, and new learnings. The world you are stepping into

is evolving rapidly, driven by technology, innovation, and knowledge. To thrive, you must embrace lifelong learning and continuous upskilling. The future belongs to those who remain agile, adaptable, and forward-thinking.

In this era of rapid technological advancements, skilling and upskilling are more critical than ever. The job market is constantly changing, with AI, automation, and emerging technologies reshaping industries. AICTE is committed to empowering students like you with the necessary skills to stay ahead.

AICTE's Vision for 2025: The Year of AI

As we step into 2025, AICTE is proud to declare this year as **“The Year of AI”**, reinforcing India's commitment to AI-led transformation in education and industry. Today, artificial intelligence is not just a technology but a movement that is reshaping the world. AICTE has taken a significant leap by ensuring that over 1,000 institutions have taken the **AI Affirmation Pledge**, reaffirming their dedication to



integrating AI into their curricula and research initiatives.

Currently, **3,670 AICTE-approved institutions** are offering Diploma, UG, PG, and PG certificate programs in **AI, Data Science, and Cyber Security**. To further strengthen this ecosystem, I am delighted to announce that AICTE will establish a **State-of-the-Art AI Factory & Experience Centre** at our headquarters. This center will house an **advanced AI Lab** for cutting-edge research, a fully equipped **XR Lab** for immersive experiences in Virtual Reality (VR), Augmented Reality (AR), and Mixed Reality (MR). These initiatives will serve as catalysts for innovation and practical learning in AI-driven fields.

To engage students, startups, and researchers, AICTE will organize a series of **thematic AI Hackathons** aimed at solving India's pressing challenges using AI. These competitions will provide a platform for young minds to collaborate and create impactful solutions. The culmination of the **Year of AI** will be marked by the **AI MAHAKUMBH**, a landmark AI Expo &

Conference bringing together students, industry leaders, policymakers, and researchers to celebrate India's AI journey.

Empowering Faculty: Upskilling for the Future

AICTE firmly believes that the foundation of a strong education system lies in its faculty. We have successfully concluded the **first batch of AICTE's QIP PG Certificate Program in emerging areas**, where **1,000 faculty members** at 21 premier institutions, including **IITs, IIITs, and IISERs**, received specialized training in emerging technologies. This initiative ensures that our educators are equipped to impart contemporary knowledge and skills to their students.

Building on this success, AICTE will soon **launch management programs in collaboration with IIMs** and top 50 NIRF-ranked business schools. Additionally, engineering and technology programs will be expanded in partnership with **IISERs, IITs, IIITs, NITs, and NIDs**, offering up to two

new programs per center, with **100 new programs anticipated for the academic year 2025-26.**

Union Budget 2025: A Commitment to Skilled India

The recently announced **Union Budget 2025** has laid a strong foundation for skill development, entrepreneurship, and innovation. The government's decision to invest in human capital and digital infrastructure is commendable.

- The establishment of **50,000 Atal Tinkering Labs** in government schools over the next five years will nurture curiosity, creativity, and problem-solving skills in students from an early age.
- The **Bharatiya Bhasha Pustak Scheme** will ensure digital access to books in Indian languages, making quality education more inclusive and accessible.
- The expansion of **IITs**, with additional infrastructure for **6,500 students**, including a significant expansion at **IIT Patna**, will enhance higher education capacity.

- The government has allocated **₹500 crore for a Centre of Excellence in AI for Education**, ensuring that India remains at the forefront of AI research and application.
- Recognizing the need for skilled professionals, **10,000 additional medical seats** will be added in the next year, with a long-term goal of **75,000 seats over the next five years.**

Furthermore, a **₹20,000 crore private-sector-driven Research, Development, and Innovation initiative** has been launched to drive deep-tech advancements. The **Deep Tech Fund of Funds** will support next-generation startups, while the **PM Research Fellowship** will offer **10,000 fellowships** for research at **IITs and IISc** over the next five years.

A Call to Action for Graduates

To the graduating students, today marks the culmination of years of hard work, perseverance, and determination. But remember, learning does not end here—it



is a lifelong journey. As you step into the world, equipped with the knowledge and skills imparted by this prestigious university, I urge you to be agents of change, to innovate, and to contribute towards nation-building.

The future belongs to those who dare to dream and work tirelessly to turn those dreams into reality. AICTE remains committed to providing the necessary ecosystem to support your aspirations through our numerous initiatives. Whether you choose to advance in academia, industry, or entrepreneurship, the skills you have acquired here at DYPIU will serve as your foundation for success.

I once again congratulate each one of you and your families on this significant achievement. I extend my gratitude

to the leadership of DYPIU for their relentless efforts in providing a world-class education to students. May you go forth with confidence, embrace challenges with courage, and lead with integrity.

As we march forward in the **Year of AI**, let us together shape a brighter, technologically advanced, and inclusive India. The future is in your hands, and I have no doubt that you will make our nation proud.

Congratulations and best wishes for your future endeavors!

Thank You!

Jai Hind!

Jai Bharat!



IIT Kanpur

Innovative AI Solutions for Sustainable Cities

04 February 2025

Namaskar!

Warm greetings:

- Prof. Vinay Kumar Pathak, Vice Chancellor Chhatrapati Shahu Ji Maharaj University, Kanpur
- Prof. Maninder Aggarwal, Director, IIT Kanpur
- Prof. Sachchida Nand Tripathi, Dean, Kotak School of Sustainability Project Director, AI-CoE Sustainable cities-IIT Kanpur
- Esteemed Dignitaries, Respected Academicians, Industry Experts, and Dear Students,

It is a great honor to be here today at the prestigious *National Conference on Innovative AI Solutions for Sustainable Cities*, hosted by IIT Kanpur and Chhatrapati Shahu Ji Maharaj University, Kanpur. At the outset, I extend my heartfelt gratitude to the organizers for bringing together a distinguished group of thought leaders, researchers, and professionals committed to shaping the cities of the future.

As India embraces the technological revolution, Artificial Intelligence stands at the forefront of transformative change, driving innovation across various sectors.

From bustling urban tech hubs to remote rural communities, AI is revolutionizing industries, healthcare, education, and governance. Cities like Bengaluru, Hyderabad, and Pune exemplify India's emergence as a global AI powerhouse. Government initiatives such as *AI for All* and the *National AI Strategy* underscore the nation's commitment to leveraging AI for societal advancement, with applications spanning healthcare, agriculture, and smart cities.

The government's support for AI-driven initiatives has been remarkable. It is encouraging to witness the proactive adoption of cutting-edge technology and the strategic measures being implemented for its integration. A testament to this commitment is the recent announcement by the Hon'ble Finance Minister regarding the establishment of a new *AI Centre of Excellence*. Last year, the Government of India allocated ₹990 crore for the creation of three AI Centres of Excellence (CoEs) across critical sectors—Healthcare, Agriculture, and Sustainable Cities. After an extensive seven-month evaluation process, including rigorous assessments of proof-of-concept models, the *IIT Kanpur-led consortium* was awarded the CoE on Sustainable Cities.

Today's national conference stands as a testament to IIT Kanpur's dedication to this ambitious initiative. The collaboration between academia, industry, and policymakers will undoubtedly pave the way for innovative AI-driven solutions that will shape the sustainable cities of tomorrow.

The Significance of AI in Urban Transformation

In today's rapidly evolving world, Artificial Intelligence (AI) has emerged as a transformative force, redefining industries and societal functions. Urbanization is expanding at an unprecedented pace, with projections indicating that by 2050, nearly 70% of the global population will reside in urban areas. The challenge before us is clear: how do we ensure that our

cities remain sustainable, inclusive, and resilient in the face of environmental and infrastructural pressures?

AI presents a powerful solution. From intelligent transportation systems to energy-efficient buildings, waste management, smart governance, and predictive urban planning, AI-driven innovations are not just futuristic concepts but real-world applications transforming cities globally. The time has come to harness AI's potential to drive sustainability and enhance the quality of life for every citizen.

AI's Role in Addressing Urban Sustainability Challenges

1. Smart Mobility & Transportation: AI-powered traffic management, predictive analytics, and real-time monitoring can alleviate





congestion and reduce carbon emissions, leading to efficient urban mobility solutions.

2. **Energy Efficiency & Green Infrastructure:** AI-driven smart grids, automated energy monitoring systems, and AI-integrated renewable energy solutions can significantly enhance energy conservation and reduce environmental impact.
3. **Waste Management & Circular Economy:** AI-powered waste sorting, recycling automation, and real-time waste tracking can create a more efficient and eco-friendly waste disposal system.
4. **Water Management & Disaster Preparedness:** AI-based predictive modeling for water resource management, flood monitoring, and disaster response systems can improve resilience against climate-related challenges.
5. **Urban Governance & Citizen Engagement:** AI-driven chatbots, automated public service delivery, and digital governance platforms can enhance transparency and improve citizen engagement in decision-making processes.

AICTE's Commitment to AI-Driven Sustainable Development

At AICTE, we firmly believe that AI and emerging technologies must be embedded into the academic and research ecosystem to prepare the next generation of engineers, urban planners, and policymakers. Through initiatives such as:

- National AI Skilling Programs,
- Collaborations with industry leaders in AI research & development, and
- Funding support for AI-driven sustainable innovations in higher education, we are fostering an environment where students and researchers can develop cutting-edge AI applications that address critical urban challenges.

For AI-driven sustainable cities to become a reality, collaboration between academia, industry, and policymakers is crucial. Conferences like this provide an ideal platform to exchange knowledge, foster partnerships, and drive innovation toward building sustainable urban ecosystems. I urge researchers, industry leaders, and policymakers to work together in designing policies and deploying AI-driven solutions



that benefit society at large.

As we engage in discussions, I encourage you all to think beyond the present and envision a future where AI seamlessly integrates with urban infrastructure, enhances environmental sustainability, and improves the overall quality of life. Our efforts today will shape the cities of tomorrow.

In alignment with the Government of India's *AI Mission*, AICTE has declared **2025 as the Year of AI**, reaffirming our commitment to fostering AI-driven education, research, and innovation. As part of this initiative, AICTE is taking significant steps to integrate AI into the academic ecosystem and ensure its widespread adoption across institutions.

Currently, **over 3,000 AICTE-approved institutions** are offering AI-related programs at various levels, including undergraduate, postgraduate, and diploma courses. This extensive network of institutions is instrumental in equipping students with cutting-edge AI skills, preparing them to contribute meaningfully to the evolving technological landscape.

To accelerate AI adoption in academia, we have **mandated all AICTE-approved institutions to submit their AI Implementation Plans**, outlining their strategies for curriculum enhancement, faculty development, industry collaborations, and research initiatives.

This structured approach will enable us to track progress, identify best practices, and scale successful AI interventions across institutions.

Throughout 2025, AICTE will be spearheading **numerous AI-focused initiatives**, including faculty training programs, AI hackathons, industry-academia collaborations, and specialized workshops to promote AI literacy and innovation. By fostering a robust AI ecosystem, we aim to empower students, educators, and researchers to harness the full potential of artificial intelligence for national development.

The declaration of **2025 as the Year of AI** is not just a milestone but a movement—one that will position India as a global leader in AI-driven education and technological advancement.

I once again express my gratitude to IIT Kanpur, CSJMU Kanpur, and all the distinguished speakers and participants for making this conference a remarkable initiative. Let us work together to ensure that AI becomes a catalyst for positive change in our urban environments.

Thank you, and I wish you all a productive and insightful conference!

Jai Hind!

Jai Bharat!

INAUGURATION OF ADVITIYA'25

IIT Ropar

Punjab

7th February 2025

Namaskar!

Warm greetings to all the esteemed dignitaries, faculty and dear students

Good afternoon everyone..

I am happy to be here at the prestigious Indian Institute of Technology Ropar for the inauguration of Advitiya'25, a celebration of innovation, creativity, and technical excellence. I extend my heartfelt congratulations to the entire IIT Ropar community for organizing this outstanding technical fest, which serves as a platform to showcase the boundless potential of our young minds.

In today's rapidly evolving world, technical education is not just about acquiring degrees; it is about acquiring skills that enable you to solve real-world challenges. The world is shifting towards automation, artificial intelligence, quantum computing, and sustainable technologies, and as students of a premier technical institute, you are at the forefront of this transformation.

Institutions like IIT Ropar are shaping the future of India's technological advancements, and platforms like Advitiya'25 provide the perfect opportunity to innovate, collaborate, and explore new frontiers of science and technology. Such events ignite curiosity, fuel passion, and encourage students to push boundaries.

At AICTE, we are committed to empowering students through several transformative initiatives:

1. Smart India Hackathon (SIH): One of the largest open innovation challenges, SIH provides students a platform to solve real-world problems faced by industries, government agencies, and society at large. Many successful startups and technological solutions have emerged from this initiative.
2. Focus on Quantum Technologies: AICTE is actively promoting research and skill development in quantum computing, quantum cryptography, and quantum





communication to ensure that India remains at the forefront of emerging technologies. The United Nations has declared 2025 the International Year of Quantum Science and Technology (IYQ), recognizing 100 **years** since the initial development of **quantum** mechanics. Marking this importance, AICTE has launched a minor degree course on quantum technology.

3. Through our Internship Portal, we are connecting students with opportunities from top industries and organizations to bridge the gap between academics and industry requirements.
4. Through our IDEA Labs, we encourage students to become job creators rather than job seekers.
5. With the rise of Industry 4.0, AICTE has introduced several online certification programs, AI-driven learning modules, and skilling initiatives in AI, cybersecurity, robotics, and blockchain to ensure students remain future-ready.

To all the students present here, I want to emphasize: The future belongs to those who are innovative, adaptable, and always ready to upskill. The technology of today might become obsolete tomorrow, and the only way to stay ahead is by learning, experimenting, and constantly evolving.

Take inspiration from global leaders, build solutions for India's challenges, and work towards creating a self-reliant, technologically advanced nation. This fest

is your playground for innovation—make the most of it!

Once again, I congratulate IIT Ropar for organizing Advitiya'25 and providing a platform for students to showcase their talent, collaborate with peers, and contribute to the world of technology. I look forward to witnessing groundbreaking ideas and projects that will emerge from this fest.

Dream big, innovate relentlessly, and let your technical knowledge be a force for societal progress!

Thank you, and best wishes for a successful event!



खरेन्द्रसरस्वती विश्वमहावि Sri Chandrasekharendra Saraswathi Viswa

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(Charitable Trust)

Sri Chandrasekharendra Saraswathi
Viswa Mahavidyalaya

(Deemed to be University vide 3 of UGC Act 1956)

Orator



Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya

Kanchipuram, Tamil Nadu

8th February 2025

Namaskaram!

Warm greetings to:

- His Holiness Jagadguru Pujyashri Shankara Vijayendra Saraswathi Shankaracharya Swamiji, the 70th Shankaracharya of Shri Kanchi Kamakoti Peetam
- Prof. G. Srinivasu Vice Chancellor
- Honorable Dignitaries, Respected Faculty Members, Proud Parents, and My Dear Graduates,

It is an absolute honor and privilege to be here today at the 28th Convocation of this esteemed institution, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya. I extend my heartfelt congratulations to all the graduates on this momentous occasion. Today marks the culmination of years of dedication, perseverance, and intellectual growth—a journey that has prepared you for the future

that lies ahead.

Formed under the aegis of Sri Kanchi Kamakoti Peetam Charitable Trust, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya has long been a beacon of excellence in education. Its rich heritage and commitment to innovation have shaped generations of leaders, thinkers, and changemakers. As you step forward into the world, you carry with you the legacy of this institution, which will serve as a guiding light in your professional and personal endeavors.

With a unique focus on integrating traditional knowledge with modern scientific practices, this university is truly a visionary in nurturing a global outlook while staying rooted in the rich heritage of our nation. The atmosphere here is one of 'one family,' characterized by exceptional faculty-student interaction and a commitment to holistic development.

The university's vision, "Quality higher education rooted in the Indian value system that is affordable and accessible for all sections of society—irrespective of their social and economic standing," resonates deeply with the spirit of our nation. By identifying the innate talents of students, bringing out hidden potentials, and fostering development through a value-driven approach, this university embodies true educational delight.

As we celebrate your academic achievements, it is imperative to reflect upon the deeper essence of learning and skill development. The great Adi Shankaracharya, whose teachings continue to guide us even today, emphasized that true knowledge goes beyond mere academics—it is about self-realization, discipline, and ethical conduct. He once said:

**“विद्यां चाविद्यां च यस्तद्वेदोभयं सह।
अविद्याया मृत्युं तीर्त्वा विद्यायाऽमृतमश्नुते॥”**

(One who understands both worldly skills and higher knowledge together can overcome limitations through material knowledge and attain liberation through spiritual wisdom.)

This profound thought reminds us that education is not just about acquiring degrees but about developing a deeper understanding of the world and oneself. In today's fast-evolving technological landscape, we must blend knowledge with skill, theory with practice, and learning with application to remain relevant and impactful.

Friends, you are the bright minds who will shape the future of our great nation. You are not just students; you are the real and actual torchbearers of the nation, the guiding lamps who will lead India to new heights of glory and progress.

The world around us is changing rapidly—new technologies are emerging, economies are evolving, and global challenges are





becoming more complex. In this fast-paced world, India looks up to you—not just to keep up with the competition but to lead the way.

You have the potential, the intelligence, and the resilience to rise above challenges and compete at the highest levels—be it in science, technology, entrepreneurship, research, or any field you choose to pursue. Our history is filled with individuals who dared to dream big and changed the world—APJ Abdul Kalam, Narayana Murthy, Sundar Pichai, Satya Nadella—they were once students like you, but they believed in their abilities, worked hard, and today, they inspire the world.

The question is—are you ready to take on this responsibility?

Are you prepared to harness your skills, knowledge, and determination to not just be a part of the world's progress, but to lead it?

The time has come to embrace challenges as opportunities, to innovate, to think

beyond boundaries, and to push limits. The world is waiting for your ideas, your inventions, and your leadership.

Remember—excellence has no shortcuts. Hard work, perseverance, and an unshakable belief in yourself will set you apart. Stay hungry for knowledge, keep refining your skills, and never stop learning. As students of this great nation, you carry the responsibility to make India shine brighter on the global stage. You are the architects of tomorrow, the warriors of innovation, and the torchbearers of a self-reliant, progressive India.

So, rise with confidence, chase your dreams with determination, and never let fear hold you back. The future is yours to shape, and the world is waiting for you to lead!

Friends, I want to tell you that The All India Council for Technical Education (AICTE) has been actively working to bridge the gap between education and employability. I am proud to share that nearly 4,000 AICTE-approved institutions across



India are offering specialized courses in Artificial Intelligence at undergraduate, postgraduate, and diploma levels. This initiative aligns with the growing demand for industry-relevant skills and ensures that our students are well-prepared for the future job market.

However, as Adi Shankaracharya wisely said:

“न हि ज्ञानेन सदृशं पवित्रमिह विद्यते।”

(There is nothing more sacred than true knowledge. All skills are perfected through wisdom.)

It is not just about learning technical skills; it is about cultivating wisdom, ethics, and a sense of purpose. In an era dominated by artificial intelligence, automation, and digital transformation, the most valuable skills will be adaptability, problem-solving, critical thinking, and ethical decision-making. As graduates of this esteemed institution, you have the potential to drive innovation, contribute to society, and uphold the rich legacy of knowledge passed down through generations.

To excel in your respective fields, remember: Mastery requires discipline – Without discipline and effort, knowledge and skills cannot be perfected.

At AICTE, we are committed to preparing you for this future. We have been continuously working to integrate AI and other emerging technologies into our curriculum, schemes, and initiatives to ensure that you stay ahead in this competitive era. From launching minor degree courses in Quantum Technology and Space Technology to introducing innovative learning methodologies, AICTE is thinking beyond the present to enhance your educational experience. Our aim is to equip you with the skills and knowledge needed to embrace and lead this technological transformation.

The importance of the Indian Knowledge System in education cannot be overstated. Rooted in millennia-old wisdom, it offers insights into holistic living, sustainable development, and ethical governance. Integrating this wisdom into contemporary education bridges the gap between

tradition and modernity, enabling students to approach challenges with a balanced perspective. In a world that often prioritizes technical skills over cultural and ethical understanding, the Indian Knowledge System fosters a mindset that values harmony, community, and inner growth. By embracing this system, students are better equipped to contribute to society not just as professionals, but as compassionate, thoughtful individuals.

Graduates, as you step into the world, embrace lifelong learning. Never stop acquiring new skills, but more importantly, never stop growing as individuals. The future belongs to those who not only possess knowledge but also the wisdom to use it for the greater good.

Friends, today is also a day of gratitude. Behind every graduate sitting here, there is a team of teachers and parents who have worked tirelessly to shape your journey.

To the teachers – You are the architects of the nation's future. Your unwavering dedication, patience, and mentorship have laid the foundation for these students to excel. You have not just imparted knowledge

but have instilled confidence, curiosity, and a passion for lifelong learning. Thank you for your tireless efforts in shaping these young minds.

To the parents – This is your moment too! Your sacrifices, late-night support, and constant encouragement have brought your children to this proud day. From their first steps to this milestone, you have been their strongest pillars of strength. Your belief in them has made all the difference.

And to you, dear students – your journey has just begun. The road ahead will have challenges, but remember – challenges are not obstacles; they are stepping stones to greatness.

Congratulations to all the graduates, teachers, and parents! Let's celebrate this achievement and look forward to even greater successes ahead.

May you all shine brightly in your chosen paths and make your alma mater, your families, and our nation proud. Wishing you great success and fulfillment in the journey ahead.

Thank you!



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India Education Summit 2025

New Delhi

12 February 2025

Namaskar!

Honorable dignitaries, esteemed educators, policymakers, and distinguished guests,

I am glad to stand before this gathering of visionaries and thought leaders at the India Education Summit 2025. I extend my heartfelt congratulations to the organizers for bringing together such a diverse and accomplished group of stakeholders dedicated to the advancement of education in India.

Education has always been the foundation of a thriving society. It is the engine that propels nations toward progress, innovation, and self-reliance. In a rapidly evolving global landscape, the role of education is not just to impart knowledge but to instill in our youth the skills, values, and resilience necessary to navigate the future. India stands at a transformative juncture where education is not only a tool for empowerment but a catalyst for nation-building.

Today, India is not just participating in the global knowledge economy; it is leading it. Our institutions are producing world-

class engineers, scientists, entrepreneurs, and innovators who are making their mark across industries and continents. We take immense pride in the fact that our education system has nurtured leaders who are at the helm of global enterprises, cutting-edge research, and technological breakthroughs. The successful Chandrayaan-3 mission, the growing influence of Indian startups, and our prowess in IT, pharmaceuticals, and space technology—all of these achievements are a testament to the strength of Indian talent and education.

However, to sustain and amplify this momentum, we must continually evolve our education system. The National Education Policy (NEP) 2020 has set the stage for a paradigm shift—bringing flexibility, innovation, and inclusivity into our academic frameworks. Multiple entry and exit options, Academic Bank of Credits, multidisciplinary learning, and a strong focus on skill development are steps in the right direction. These reforms are not just policies; they are commitments to creating a holistic learning ecosystem that nurtures creativity, critical thinking, and lifelong learning.



AICTE's Role in Transforming Education

At AICTE, we are committed to implementing these reforms with a vision to make India 'Viksit Bharat'—a developed and self-reliant nation. Through initiatives such as:

- **Integrating emerging technologies like AI in curriculum:** AICTE is taking immense measures to integrate emerging technologies in our curriculum. We have minor degree courses in AI, Quantum Technologies, IoT etc. to ensure that our students are equipped with all the new technologies.
- **Skill Development & Vocational Training** - Ensuring our youth are not just job seekers but job

creators by integrating industry-relevant skills into the curriculum.

- **Entrepreneurship and Innovation Programs** - AICTE Initiatives like Smart India Hackathon, Udyamotsav, IDEA Labs are encouraging startups, incubation centers, and research collaborations to significantly contribute to India's economic growth.
- **Digital Learning & EdTech Integration** - Through our portals like AICTE Internship, Placement and Career Portal, we are promoting AI-driven learning, online education, and virtual internships to make quality education accessible to all.

- **Sustainability & Green Initiatives**
– Encouraging research and education in areas such as clean energy, climate action, and environmental consciousness.
- **Opportunities for working professionals:** AICTE PROFICIENCE initiative is designed especially for working professionals to upgrade their skills.

Education for a Self-Reliant and Future-Ready India

India's vision for self-reliance—Aatmanirbhar Bharat—is deeply connected with our education system. Our goal is to build an ecosystem where knowledge is not confined to textbooks but is applied for the betterment of society. AICTE is committed to bridging the gap between academia and industry, ensuring that our graduates are future-ready and equipped to contribute meaningfully to the economy.

As we deliberate on the future of education at this summit, let us remind ourselves that we are not just shaping policies; we are shaping lives, aspirations, and the future of our great nation. The road ahead is challenging, but it is also filled with immense opportunities. With collaboration, innovation, and a relentless commitment to excellence, we can position India as the knowledge capital of the world.

I urge each one of you—policymakers, educators, researchers, and industry leaders—to join hands in this mission. Let us harness the power of education to build an India that is not only self-reliant but also a global leader in knowledge, innovation, and development.

Thank you, and I look forward to the insightful discussions that will follow.

Jai Hind!



54TH ISTE NATIONAL ANNUAL CONVENTION

Lamrin Tech Skill University Punjab

Ropar, Chandigarh

14 February 2025

Namaskar!

Warm greetings to:

- Hon'ble Governor of Punjab Shri Gulab Chand Kataria Ji
- Shri Harjot Singh Bains, Hon'ble Minister Technical Education, Skill Development & Training, Govt of Punjab
- Dr. VK Paul, Member, NITI Aayog
- Shri. Ved Mani Tiwari, Chief Executive Officer, NSDC
- Dr. Sandeep Singh Kaura, Chancellor, Lamrin Tech Skill University Punjab,
- Vice Chancellors, Industry Experts, Policy Makers and dear students.

I am extremely glad to be a part of the 54th ISTE National Convention and Yuva Kaushal Utsav 2025 hosted by Lamrin Tech Skills University, Punjab and the Indian Society for Technical Education (ISTE). I congratulate the organizers for their efforts in successfully conducting this two-day event with such a vibrant gathering of policymakers, academic leaders, industry experts, faculty,

and students. This convention is indeed a platform for intellectuals to exchange ideas and innovations.

I am glad to know that the event includes keynote sessions, hackathons/Ideathons, poster and technical paper presentations, and cultural showcases from across India, emphasizing skilling youth for global opportunities in high-impact sectors such as healthcare, renewable energy, electric vehicles (EVs), and AI fusion technologies.

The theme of this year's convention—"Vision 2047: Transforming Education for Making India the Skill Capital of the World"—aligns seamlessly with the vision of Hon'ble Prime Minister Shri Narendra Modi Ji. The convention's tagline, "Where Skills Meet Excellence," truly captures our shared mission. A well-trained and highly skilled youth workforce will position India as the first choice for the world, paving the way for our nation to emerge as the global hub for skilled talent.

With one of the youngest populations globally, India has a unique advantage—a demographic dividend that, if nurtured with the right employable skills and industry-

ready training, can propel our nation into an era of unparalleled growth. Recognizing this, the Ministry of Skill Development and Entrepreneurship (MSDE) has been spearheading transformative initiatives through the Skill India program, ensuring that every young Indian is equipped to thrive in the evolving job market.

I would also like to bring to your attention a remarkable initiative: The Adani Group, in collaboration with ITE Education Services (ITEES) of Singapore, is working to create a skilled talent pipeline across multiple industries, including green energy, hi-tech manufacturing, project excellence, and industrial design. To achieve this, the Adani family has pledged over Rs 2,000 crore to establish internationally benchmarked Schools of Excellence, reinforcing India's unwavering commitment to skill development and industry-readiness. This underscores our nation's focus on ensuring that every youth is transformed into a skilled asset for the workforce.

At AICTE, we are steadfast in our mission to bridge the skill gap, integrating emerging technologies into the curriculum and enhancing faculty development to ensure that no one is left behind. Our initiatives are paving the way for a future-ready workforce:

- AICTE Career Portal, Internship Portal, and Placement Portal— These platforms are transforming employability by connecting students with top employers, ensuring that every graduate is job-ready and skilled for industry demands.
- AICTE PROFICIENCE Scheme—A pioneering initiative focused on upskilling working professionals in cutting-edge domains, ensuring lifelong learning and career progression.
- QIP PG Certificate Program in Emerging Technologies—A milestone achievement where 1,000





faculty members have been successfully trained in the latest technological advancements, reinforcing the importance of continuous learning and upgradation.

At AICTE, we believe that the development of students and faculty must go hand in hand to sustain in the fast-evolving world. Hence, our industry-academia collaborations with global tech giants like META, Salesforce, Adobe, and other leading EdTech companies are game-changers—providing hands-on training and real-world exposure to students and educators alike.

As we look to the future, AICTE remains committed to enhancing employability, fostering industry partnerships, and ensuring that education is aligned with evolving global trends. Our key priorities include:

- Expanding industry collaborations to ensure students receive industry-relevant training and exposure.
- Strengthening AI-driven learning models to personalize education and skill development.
- Encouraging innovation and entrepreneurship by supporting student-led startups and research initiatives.
- Promoting inclusivity and accessibility to ensure that students from all backgrounds benefit from quality education and employment opportunities.

The transformation we seek requires collective action. Academic institutions, industry leaders, policymakers, and students must work together to redefine

India's position as a global leader in education and workforce excellence.

I commend the ISTE for bringing together Vice-Chancellors, faculty members, industry leaders, and over 5,000 participants to engage in thought-provoking discussions.

As I conclude, I want to reaffirm AICTE's unwavering commitment to supporting initiatives like the ISTE National Annual Convention and Yuva Kaushal Utsav. Together, we are shaping a future where education and skills go hand in hand,

creating a nation that leads in innovation, technology, and economic growth.

To our educators, thank you for being the architects of student success. To our industry partners—thank you for opening doors to new possibilities. To our students—you are the torchbearers of India's future.

Let us continue working together to create an education ecosystem that is inclusive, innovative, and impactful.

Jai Hind! Thank you.



OBSERVE NOW

Education Leaders Conclave

Digital Transformation in Higher Education: Opportunities and Challenges

New Delhi

21 February 2025

Namaskar!

Warm greetings to all the dignitaries and distinguished guests present on and off the dais.

It is an honor to be here today at the Education Leaders Conclave, organized by Observe Now, to discuss a topic that is reshaping the future of learning—Digital Transformation in Higher Education: Opportunities and Challenges.

Digital transformation in higher education is not just about integrating technology into classrooms; it represents a fundamental shift in how educational institutions operate, engage with students, and deliver learning experiences. It involves leveraging advanced technologies such as Artificial Intelligence (AI), Virtual Reality (VR), Augmented Reality (AR), Blockchain, and Big Data Analytics to enhance teaching, learning, administration, and research.

This transformation is driven by the need to provide personalized learning experiences, improve accessibility, and

equip students with future-ready skills. The COVID-19 pandemic accelerated this shift, highlighting the importance of digital infrastructure and flexible learning models. However, digital transformation goes beyond remote learning; it encompasses a holistic change in educational ecosystems, ensuring inclusivity, quality, and innovation. Digital transformation is not just about adopting new technologies; it is about reimagining the way we teach, learn, and engage with knowledge.

Opportunities of Digital Transformation

1. Enhanced Learning Experiences:

Digital platforms provide personalized learning experiences, catering to the unique needs and learning paces of students. Adaptive learning systems and AI-driven educational tools are enabling a more customized educational journey.

2. **Accessibility and Inclusivity:**

One of the greatest promises of digital transformation is its potential to democratize education. Today, a student from a remote village can access world-class educational content through online platforms, bridging the urban-rural educational divide.

3. **Collaborative Learning and Global Exposure:**

Digital tools are enabling collaborations beyond borders. Virtual classrooms, global webinars, and online exchange programs are providing students with international exposure and diverse perspectives.

4. **Skill Development and Industry Alignment:**

With rapid advancements in technology, digital platforms offer flexible and up-to-date skill development opportunities. AICTE has been actively promoting virtual internships and online skill development programs to equip students with industry-relevant skills.

Challenges in Digital Transformation

However, this transition is not without its challenges:

1. **Digital Divide:**

While digital tools bring education to students' fingertips, the digital divide remains a significant challenge. Limited access to devices and the internet in rural

and underserved areas threatens to widen educational inequalities.

2. **Faculty Readiness and Training:**

For digital transformation to be effective, educators must be equipped with the necessary digital skills. Continuous professional development and training programs are essential to empower our teachers to leverage technology effectively.

3. **Cybersecurity and Data Privacy:**

With the increased use of digital platforms, safeguarding student data and ensuring cybersecurity is of utmost importance. Educational institutions must adopt robust data protection policies.

4. **Quality Assurance and Accreditation:**

The proliferation of online courses and digital content necessitates a robust framework for quality assurance and accreditation. It is essential to maintain high educational standards and ensure the credibility of digital credentials.

AICTE's Initiatives and Vision

At AICTE, we are committed to enabling a seamless digital transformation in higher education:

- **Integrating AI and emerging technologies in curriculum to equip students with the latest technologies.**
- **National Educational Alliance for Technology (NEAT):** We have collaborated with EdTech companies to provide AI-powered

personalized learning platforms, enhancing the learning experience for students.

- **Internship, Placement and Career Portal** offers a wide range of internships, job opportunities, placements to students in both rural and urban areas. Also AICTE Career portal is one step beyond by creating AI personalised resume for students who lack in professional skills.
- **Faculty development** by providing them skills and knowledge in emerging areas. More than 1000 faculty from various Institutions completed AICTE QIP PG Certificate programs in emerging areas like AI.
- **AICTE recently launched 500 FDPs** for faculty of AICTE approved Institutions in emerging areas.
- **Skill Development Platforms:** We are continuously expanding digital skill development programs to empower students with future-ready skills.

- **Digital Infrastructure Support:** AICTE is working towards bridging the digital divide by supporting institutions in enhancing their digital infrastructure.

Digital transformation is not merely about technology; it is about a cultural shift in our educational ecosystem. It requires collaboration among educators, industry leaders, policymakers, and students to create a future-ready education system.

As we stand at this pivotal moment in history, let us embrace digital transformation with a vision of inclusivity, equity, and excellence. Let us work together to create an education system that empowers every student, nurtures innovation, and builds a digitally literate nation.

I am confident that today's discussions at the Education Leaders Conclave will pave the way for meaningful collaborations and impactful solutions.

Thank you once again for this opportunity, and I look forward to fruitful deliberations.

Thank you.



THINK INDIA NORTHEAST SUMMIT 2025

IIT Guwahati

Guwahati

22 February 2025

Namaskar!

Respected dignitaries on and off the dais, esteemed faculty members, bright young minds, and the dynamic leaders of tomorrow,

It is always a pleasure to be here at IIT Guwahati. This campus holds a special place in my heart, and every time I visit, it feels like coming back home. Having served as the Director of this esteemed institution, I have witnessed its journey of growth and excellence. It fills me with immense pride to see IIT Guwahati taking such impactful initiatives, and organizing the Think India Northeast Summit 2025 is truly commendable. This summit is a testament to the vision and enthusiasm of our youth, who are determined to shape the future of our nation.

The Northeast region of India is a land of immense potential—rich in culture, natural resources, and human talent. It is known for its scenic beauty, cultural diversity, and a spirit of resilience. Yet, it remains an area with untapped opportunities that can contribute significantly to India's growth story. As young leaders, you hold the key to

unlocking this potential and transforming challenges into opportunities.

The Northeast has witnessed remarkable growth over the past decade, and it is heartening to see how it has become a focal point for the nation's development. The Modi government has shown unparalleled commitment to the region by increasing budgetary provisions multiple times. Today, the Northeast receives 3-4 times more budget than ever before, ensuring that development reaches every corner.

By 2027, all eight states of the Northeast will be connected to Delhi through rail and air connectivity, revolutionizing the way people travel and boosting economic activities. This transformation in connectivity is a significant step towards integrating the region with the rest of the country, bringing new avenues for trade, tourism, and cultural exchange.

Our Hon'ble Home Minister rightly pointed out that Prime Minister Narendra Modi has popularized the Northeast across the nation as Ashtalakshmi, symbolizing prosperity and abundance. Indeed, each of the eight states has the potential to enrich



the country economically, culturally, and socially.

The youth of the Northeast are blessed with incredible talent, creativity, and resilience. With the right opportunities and resources, they can lead the way in driving economic, cultural, and technological progress. Today, the government has opened numerous avenues for the Northeast, spanning from tourism to technology, sports to space, agriculture to entrepreneurship, and banking to business.

Silicon Hills to Bamboo Tech: A Vision for Northeast

The theme of today's summit, **"Silicon Hills to Bamboo Tech: Northeast's Sustainable Innovation,"** beautifully captures the essence of what the future holds for this region. It reflects a vision that blends modern technology with traditional wisdom, creating a model of sustainable development that is not just futuristic but also deeply rooted in our culture and heritage.

From the lush green hills of Meghalaya to the serene valleys of Arunachal Pradesh, the region is blessed with unparalleled beauty and biodiversity. It is also the **Bamboo**

Capital of India, home to more than **60% of India's bamboo reserves.**

But beyond its natural beauty lies a treasure trove of opportunities waiting to be unlocked. The region is poised to become a hub of **sustainable innovation**, leveraging its rich cultural heritage, natural resources, and human capital. The journey from **Silicon Hills to Bamboo Tech** represents this transformation—combining the power of digital technology with the age-old wisdom of sustainable living.

The theme **"Bamboo Tech"** resonates deeply with the ethos of the Northeast. Bamboo is not just a plant here; it is a way of life. From housing to handicrafts, from food to furniture, bamboo has been an integral part of the region's culture and economy. Today, it holds the key to **sustainable innovation and circular economy.**

With advancements in **biotechnology, material science, and digital manufacturing**, bamboo is no longer limited to traditional uses. It is now being used to create **eco-friendly construction materials, biodegradable packaging, sustainable textiles, and even renewable energy sources.** The potential is limitless.

Imagine a future where the hills of Northeast are dotted not just with tech startups

but with **Bamboo Tech Hubs**—centers of excellence in sustainable manufacturing, design, and innovation. Imagine a future where **Bamboo Tech** is not just a regional identity but a global brand representing sustainable living and circular economy.

This vision can only be realized through **innovation, entrepreneurship, and sustainable development**. And who better to lead this journey than the **youth of the Northeast**? You are the **changemakers** who will drive this transformation.

Thanks to the Department of **Biotechnology's NorthEastern Programme**, who are turning a vision into reality with bio-entrepreneurs' efforts in converting indigenous knowledge into sustainable and globally recognized products.

- Since **2011**, a network of **126 Biotech Hubs** has been established across the NER. These hubs provide state-of-the-art infrastructure to universities, colleges, and research institutions, supporting education and research in biological sciences and biotechnology. In **Phase-II, 54 Biotech Hubs** have been specially supported to focus on research and training that address local

challenges, driving region-specific solutions.

- To foster curiosity and passion for science among students, the **Biotechnology Labs in Senior Secondary Schools (BLISS)** program was launched in **2014**. This initiative provides well-equipped laboratories in schools, encouraging students to explore the world of biotechnology through hands-on learning experiences.
- Introduced in **2015**, the **Visiting Research Professorship (VRP) Programme** leverages the expertise of renowned scientists to elevate biotechnology and life sciences education in the NER.

By harnessing the rich biodiversity of the region and nurturing talent through **education, research, and entrepreneurship**, these initiatives are empowering local communities. The NER is rapidly emerging as a hub of bio-innovation, demonstrating how science and tradition can coexist to shape a sustainable future.

As North East India continues to embrace biotechnology, it sets a remarkable example of resilience, adaptability, and innovation. The journey from **Silicon Hills to Bamboo**



Tech is a testament to the region's potential to lead the way in sustainable development and inspire the world with its unique blend of heritage and modernity.

The **Northeast** is brimming with talented youth, blessed with creativity and resilience. With the right support, resources, and mentorship, you can become the pioneers of **Bamboo Tech** and create a new narrative of growth and prosperity.

At **AICTE**, we are committed to nurturing this talent by promoting **Skill Development, Innovation and Entrepreneurship**. Our focus is on fostering innovation, encouraging startups, and building an ecosystem where ideas can thrive.

We are also working towards integrating **sustainability and entrepreneurship** into the curriculum, ensuring that the youth are equipped not just with knowledge but with the skills to solve real-world challenges.

The *Assam Startup* initiative by the Assam Government is creating a startup ecosystem, empowering the youth to become job creators. I also congratulate IIT Guwahati for launching the *Entrepreneurship Development Program* in collaboration with the Assam Government.

The journey from *Silicon Hills to Bamboo Tech* is not just about regional development; it is about creating a global impact and building a model of sustainable innovation that the world can learn from.

The **Northeast** has the potential to lead the way in **Green Technology, Sustainable Design, and Circular Economy**. With its rich cultural heritage and natural resources, it can become a global hub for **eco-tourism, organic agriculture, and renewable energy**.

Dear young leaders, the future is yours to shape. The journey from **Silicon Hills to Bamboo Tech** begins with your vision, your passion, and your determination to create a better tomorrow.

I urge you to **think beyond conventional boundaries**, to explore the unexplored, and to innovate for a sustainable future. Embrace technology but remain rooted in tradition. Combine the power of digital transformation with the wisdom of sustainable living.

Let us work together to realize the vision of a **self-reliant, vibrant, and prosperous Northeast**. Let us create a future where **Bamboo Tech** is synonymous with sustainability, innovation, and global impact.

I am truly inspired to see the spirit of entrepreneurship and innovation at this summit. You are the leaders who will shape the future of the **Northeast and the nation**. You are the **changemakers** who will bridge the gap between tradition and technology, between sustainability and growth.

I extend my heartfelt gratitude to the organizers of the **Think India Northeast Summit 2025** for this wonderful initiative. It is through such platforms that ideas are shared, collaborations are fostered, and leaders are born.

May this summit inspire you to take bold steps, explore new horizons, and embark on a journey of lifelong learning and growth.

Thank you once again for this opportunity. I wish you all the very best for your future endeavors.

Jai Hind!

8TH CONVOCAATION

Central University of Rajasthan

Rajasthan

01 March, 2025



Namaskar!

Warm greetings to:

- Dr. K. Kasturirangan, Chancellor, Central University of Rajasthan
- Prof. Anand Bhalerao, Vice Chancellor, Central University of Rajasthan
- Esteemed faculty members, dear students and their parents.

It's always a joy to be in Rajasthan—a place bursting with vibrant culture, rich heritage, and unmatched hospitality. The colors, traditions, and spirit of this land are truly captivating. I feel honored to be here today, celebrating this special occasion with all of you.

The Central University of Rajasthan (CURaj) stands out as one of the leading academic institutions in the state, embracing cutting-edge technology to deliver world-class education. Since its inception in 2009, CURaj has rapidly grown into one of the most dynamic centers of higher learning in Rajasthan. Its green, pollution-free campus provides a refreshing and inspiring environment that fosters academics,

research, and holistic growth. To all the students here, you should feel proud and fortunate to be part of such a beautiful and forward-thinking institution.

My heartfelt congratulations to all the graduates who have successfully completed their journey at this esteemed university. You are now ready to lead the future with innovation and forward-thinking ideas. Today is the culmination of years of hard work, perseverance, and dedication. It's a celebration of your achievements and the start of an exciting new chapter in your lives. As you step into the world, remember—this is just the beginning of a lifelong journey of learning, growth, and making a positive impact on society.

To all the young minds here, the future is wide open and brimming with opportunities. It's up to you to choose your path wisely. In a world that's changing rapidly, it's crucial to identify your passions and pursue them with determination. Whether you choose further education or a career, aligning it with your interests will make your journey more creative, fulfilling, and impactful. Don't be afraid to express your talents and follow your dreams. The world today needs bold thinkers who are not only willing to speak up but are also ready to take action.

I would also like to take this opportunity to express my deepest gratitude to the parents and families present here. Your unwavering support and sacrifices have played an instrumental role in the success of these young achievers. Today, you stand proud, witnessing the fruition of your dreams through your children.

A special thanks to the esteemed faculty members whose relentless efforts, guidance, and mentorship have shaped the future of these bright minds. Your dedication to nurturing talent and inspiring curiosity is truly commendable.

We live in an era defined by rapid technological advancements, with Artificial Intelligence emerging as one of the most transformative forces of our time. AI, along with other cutting-edge technologies like semiconductors and advanced computing, is reshaping industries, economies, and societies worldwide.

India, with its vast pool of talented youth, holds immense potential to lead in this technological revolution. During Prime Minister Narendra Modi's recent visit to the United States, several groundbreaking agreements were made to enhance collaboration between India and the US in the fields of AI, semiconductors,



research, and innovation. This partnership is a testament to the global recognition of India's capabilities and aspirations.

At AICTE, we are deeply committed to nation-building and empowering our students with the skills required to thrive in this dynamic and ever-evolving world. We believe that education is not just about gaining knowledge but about equipping our youth with the tools they need to lead, innovate, and make a difference. Recognizing the transformative power of Artificial Intelligence, we have declared 2025 as the 'Year of AI.' This initiative underscores our mission to empower the youth with cutting-edge skills, foster a culture of research and innovation, and create an ecosystem where ideas turn into impactful solutions. We envision a future where Indian students not only participate but lead in global technological advancements.

To achieve this vision, we are actively integrating emerging technologies into our curricula. By combining AI with core engineering disciplines, we are redefining the role of engineers in the future world. Our latest minor degree course in Quantum Technology, the first of its kind in India, is a testament to our commitment to staying at

the forefront of technological education. The thought behind this is simple yet powerful – to equip our youth with comprehensive technological knowledge so they can stand tall on the global stage and lead in almost every sector. We are focused on nurturing a generation that is not only skilled but also capable of innovating solutions for real-world challenges.

Our commitment to student growth goes beyond curriculum enhancement. AICTE places a strong emphasis on skilling and providing opportunities to students from all walks of life. Our internship, placement, and career portals work in harmony to create a vast array of opportunities, including job placements, internships, and skill development programs. We are especially focused on reaching out to students in rural and underserved areas, ensuring that no talent is left behind. Our goal is to bridge the urban-rural divide and create an inclusive educational ecosystem where every student has access to the resources and opportunities they need to succeed.

In the realm of innovation, AICTE's Innovation Cell (MIC) is leading the way by nurturing and identifying the brightest minds in the country. Through initiatives like the Smart India Hackathon, IDEA



Bootcamps, and various innovation challenges, we are building a robust entrepreneurial ecosystem. Our aim is to foster a startup culture among students, empowering them to transform their ideas into viable businesses. We believe that Indian students have the potential to be global leaders in innovation, and we are committed to providing them with the platform, mentorship, and resources needed to achieve that.

Our journey towards empowering the youth and contributing to nation-building is fueled by the belief that the future belongs to those who innovate. At AICTE, we are not just educating students; we are shaping leaders, thinkers, and change-makers who will drive the nation forward. With our initiatives, we are paving the way for a brighter, more prosperous future for India.

Friends, Innovation is the cornerstone of progress. As graduates stepping into a

world full of opportunities and challenges, I urge you to prioritize research and innovation. It is through innovative thinking and problem-solving that we can address the pressing issues of today and shape a better tomorrow. Remember, the future belongs to those who dare to imagine, create, and innovate.

In conclusion, always remember that learning doesn't end with graduation. Keep your curiosity alive, embrace challenges, and never fear failure – for it is through failures that we learn and grow. I have immense faith in your abilities, and I am confident that you will make a significant impact in your chosen fields and contribute positively to society.

Once again, congratulations to all the graduates! May you soar to great heights and make your alma mater, your parents, and your nation proud.

Thank you, and Jai Hind!



National College, Basavanagudi

Bangalore, Karnataka

09 March 2025

Namaskar!

Warm greetings to Honorable Dignitaries, Respected Faculty Members, Proud Parents, and, most importantly, our Young Graduates, It is an immense honor and a deeply emotional moment for me to stand before you today, not just as the Chairman of AICTE but as an alumnus of this esteemed institution. Returning to my alma mater fills me with pride and nostalgia, as it is here that my journey began, shaping me into the person I am today. The values, education, and foundation that I received within these walls have guided me throughout my life, and I am grateful beyond words.

Convocation is not just a ceremony; it is a milestone that marks the transition from one phase of learning to another. Today, as you step into the larger world, equipped with knowledge and aspirations, I urge you to embrace the endless possibilities that lie ahead. The future is yours to shape, and the tools to do so are within your reach. The world you are entering is vastly different from what it was even a decade ago, with technology and innovation redefining industries, economies, and even societies at an unprecedented pace.

One of the most transformative forces in today's world is Artificial Intelligence (AI). AI is no longer confined to science

fiction or research labs—it is a part of our everyday lives, impacting every industry, from healthcare and finance to education and governance. Whether you are from the sciences, commerce, humanities, or any other field, AI is not just an option—it is a necessity. Understanding AI, its applications, and its ethical implications will not only enhance your career prospects but also empower you to contribute meaningfully to society. AI is not just about algorithms or data science; it is about problem-solving, creativity, and innovation. The way we communicate, learn, and work is evolving rapidly, and AI is at the heart of this transformation.

At AICTE, we are actively working to integrate AI-driven learning into education, ensuring that our students are prepared for the evolving job market. Skilling, reskilling, and upskilling are the new mantras of success in a rapidly changing world. The traditional boundaries of disciplines are blurring, and interdisciplinary knowledge is becoming more valuable than ever. A student of commerce today must understand AI-driven financial technologies, just as a literature student must be aware of AI-generated content and ethical concerns surrounding it. The ability to learn, unlearn, and relearn will define your success in this dynamic world.

I urge each one of you to never stop learning. The real world will test your perseverance, adaptability, and innovation, and continuous learning will be your greatest asset. Technology is evolving at such a pace that the jobs of tomorrow may not even exist today. This means that you must develop not just technical skills, but also problem-solving abilities, leadership qualities, and a spirit of lifelong curiosity.

As we celebrate your achievements today, I also want to remind you that success is not just measured by your personal accomplishments but by the impact you create around you. The knowledge and skills you have acquired should not just serve your ambitions but also contribute to the betterment of society. Technology, especially AI, has the potential to solve some of the world's most pressing challenges—be it in climate change, healthcare, education, or governance. I encourage you to think beyond yourself and to use your knowledge for the greater good. Be innovators, be change-makers, and be the torchbearers of progress.

India's youth have immense potential, and now is the time to identify your strengths and do the best you can. The world is full of opportunities, and your journey ahead will be shaped by how well you seize them. Do not be afraid to take risks, to dream big, and to push the boundaries of what is possible. With determination, hard work, and an innovative spirit, you can achieve great things—not just for yourself, but for the nation and the world.

As responsible citizens and proud alumni of this great institution, I hope you will always strive to give back. Your alma mater has given you a strong foundation—carry forward its legacy by mentoring the next generation, contributing to research, or simply being an ambassador of knowledge and ethics in your professional journey.

Always remember that education is not just about earning a degree; it is about becoming a responsible and enlightened human being.

To the faculty and administration of The National College, I extend my heartfelt gratitude for their relentless dedication to shaping young minds. Your efforts ensure that students walk out not just with degrees, but with the confidence and competence to take on the world. The role of educators in today's era is more critical than ever. It is not just about teaching concepts but about inspiring curiosity, critical thinking, and ethical values in students. The knowledge imparted in these classrooms will go on to shape industries, businesses, and policies.

And to the parents and families present here, this is your moment of pride as well. Your sacrifices, encouragement, and unwavering support have made this day possible for these bright young minds. You have provided them with the foundation to chase their dreams, and today, as they stand on the threshold of their future, your guidance will continue to be their guiding light.

As I conclude, I urge all graduates to embrace the future with courage, curiosity, and commitment. Dream big, work hard, and let your journey be one of innovation and impact. Remember, no matter where life takes you, your roots will always be here, at The National College, Basavanagudi.

Finally, I leave you with one thought: Success is not just about reaching your destination; it is about the journey itself. Learn from every challenge, celebrate every small victory, and always strive to be a better version of yourself.

Congratulations, Class of 2024! Wishing you all success and fulfillment in your endeavors.

Thank You! Jai Hind!

Indrashil University

Gujarat

11 March, 2025

Namaskar!

Greetings to

- **Dr. Rajiv I. Modi, President, Indrashil University**
- **Honorable dignitaries, esteemed faculty members, proud parents, and, most importantly, the graduating class of Indrashil University,**

A very good morning to you all!

It is an absolute honor to stand before you today as we celebrate this momentous occasion - the 4th Convocation of Indrashil University. This day marks the culmination of years of hard work, perseverance, and dedication. To each and every graduate present here, congratulations! Today, you don't just receive a degree; you earn the key to a world of infinite possibilities.

Many of you may already have job offers in hand, some of you may be planning higher studies, and a few of you may still be exploring options. But today, I want to encourage you to think beyond just

securing a job. Life is not merely about finding a safe spot in the corporate world—it is about creating a lasting impact, about chasing your dreams, and most importantly, about taking a chance on yourself!

The world today is changing faster than ever before. New technologies, innovations, and disruptions are shaping industries at an unprecedented pace. This is the time to ask yourself—do you want to be a job seeker or a job creator? Do you want to follow the path already laid out or carve your own? I am not saying that every startup will succeed—no, not at all. But what if it does? And even if it doesn't, what you learn from that experience will be more valuable than anything else.

I urge you—take that risk early in your career, experiment, innovate, and push yourself beyond your comfort zone. Let your name become a brand! The world respects those who dare to dream big and work relentlessly to turn those dreams into reality.

We live in a time where technologies like AI, machine learning, and automation are redefining every industry. The skills that are

in demand today might become obsolete tomorrow. Therefore, the only way to stay ahead is to continuously re-skill and upskill yourselves. Learn, unlearn, and relearn. The ability to adapt and evolve will determine your success.

AICTE's Role - Empowering students and educators alike

At AICTE, we firmly believe that empowering students also means empowering teachers. Our initiatives focus not just on providing students with the right education, but also on ensuring that our faculty members are equipped with the latest knowledge and skills. From the AICTE IDEA Labs and Smart India Hackathon to innovation and entrepreneurship development programs, we are committed to creating an ecosystem where young minds can experiment, innovate, and grow.

We have launched multiple initiatives to support innovation and startups, providing funding, mentorship, and resources. We are also ensuring that education is aligned with industry needs so that you are prepared

not just for today's challenges but for the opportunities of the future.

AICTE's Commitment to Innovation, Education, and Entrepreneurship

At AICTE, our mission is to empower students, educators, and professionals through cutting-edge initiatives that bridge the gap between academia and industry. We are constantly evolving to ensure that Indian education remains at the forefront of global technological advancements. Let me highlight some of our key initiatives that are shaping the future of education:

1. Faculty Development Programmes (FDPs) in Emerging Areas

Teachers are the backbone of our education system, and their continuous professional development is essential. AICTE has introduced specialized **Faculty Development Programmes (FDPs)** to train educators in emerging fields such



as Artificial Intelligence, Blockchain, Cybersecurity, and Quantum Computing. These programs ensure that our faculty stays updated with the latest technological advancements, enabling them to deliver high-quality education to students.

2. Capacity Building in Quantum Technologies

Quantum technology is set to revolutionize computing, communication, and cryptography. AICTE has taken the lead by introducing a **Minor Degree Course in Quantum Technologies**, equipping students with foundational knowledge in this transformative domain. This initiative aims to prepare India's future workforce for the quantum revolution, ensuring that our students are globally competitive in this cutting-edge field.

3. Integration of AI in Curriculum

Artificial Intelligence (AI) is no longer just a subject—it is the future of every industry. AICTE has integrated **AI, Machine Learning, and Data Science** into technical

education curricula across institutions. Our focus is on making AI education **multidisciplinary**, ensuring that students from all backgrounds—engineering, management, healthcare, and humanities—can leverage AI to enhance their expertise and problem-solving capabilities.

4. IDE Bootcamps – Fostering an Entrepreneurial Mindset

To build a thriving startup culture, AICTE has introduced **Innovation, Design, and Entrepreneurship (IDE) Bootcamps**. These bootcamps provide hands-on training, mentorship, and real-world problem-solving experiences to students who aspire to become entrepreneurs. Through these bootcamps, students learn **design thinking, rapid prototyping, and business model development**, helping them transition from idea to execution.

5. PROFICIENCE Scheme for Working Professionals

The landscape of employment is evolving, and professionals must **continuously**



upskill and reskill to stay relevant. AICTE's **PROFICIENCE Scheme** is designed to help **working professionals acquire new skills in emerging technologies** such as AI, Blockchain, IoT, and Cybersecurity. This initiative enables professionals to enhance their careers without having to leave their jobs, ensuring that lifelong learning remains accessible and impactful.

These initiatives are designed to **future-proof students, empower educators, and create an innovation-driven ecosystem** in India. AICTE is committed to ensuring that every student, irrespective of their background, has access to world-class education and opportunities to thrive in this dynamic world.

As you, dear graduates, bask in the glory of your achievement, let us take a moment to acknowledge the people who made this journey possible—your professors, who have guided you with knowledge

and wisdom, and your parents, who have stood by you through thick and thin. Their unwavering support and sacrifices have shaped the individuals you are today. Let's express our deepest gratitude to them with a huge round of applause.

As I conclude, I want to remind you that you, the youth of today, hold the power to shape the future of our nation and the world. India stands at the cusp of transformation, and it is young, talented individuals like you who will drive that change.

Go out there and chase your dreams fearlessly. Be the leaders, the innovators, and the entrepreneurs who redefine success. Build, create, inspire, and most importantly—never stop learning!

Congratulations once again! The world is waiting for you. Go and make it yours!

Jai Hind!



Bannari Amman Institute of Technology

Tamil Nadu

22 March, 2025

Namaskar!

Greetings to all...

It is an absolute privilege to be here today at the 25th Graduation Day Ceremony of Bannari Amman Institute of Technology. I extend my heartfelt congratulations to each and every one of you on achieving this significant milestone. Today marks the culmination of years of dedication, perseverance, and hard work. You are now standing at the threshold of countless opportunities, ready to explore your chosen fields and witness firsthand how the world operates beyond the academic realm.

You arrived on this campus as curious students, eager to learn and grow. Now, you are leaving as confident professionals equipped with the right skills, comprehensive knowledge, and a deeper understanding of your respective disciplines. This transformation is no small feat, and your accomplishments deserve every bit of celebration.

However, let us not forget that this achievement is not yours alone. Behind your success are the tireless efforts and unwavering support of your parents,

guardians, and teachers. They have been your pillars of strength, offering guidance and encouragement through every challenge. I extend my sincere appreciation to them for nurturing your growth and helping you reach this proud moment. Their patience, sacrifices, and belief in your potential have played a pivotal role in shaping the individuals you have become today.

Friends, while graduating is indeed a remarkable accomplishment that is celebrated with great enthusiasm both nationally and globally, I urge you to view this not as the final destination but as a significant milestone on your lifelong journey. Graduation is not the end of learning; it is merely a stepping stone towards even greater aspirations.

The world you are stepping into is dynamic and ever-evolving, especially with rapid advancements in technology and innovation. Therefore, I encourage you to embrace a mindset of continuous learning. Stay curious, seek out new knowledge, and be proactive in upskilling yourself. Lifelong learning is the key to remaining relevant and competitive in today's fast-paced world.

Moreover, remember that success is not solely defined by professional accomplishments. It is also measured by the positive impact you create in society. Use your knowledge and skills to address real-world challenges, contribute to your communities, and become responsible global citizens. Innovation and leadership go hand in hand with empathy and integrity.

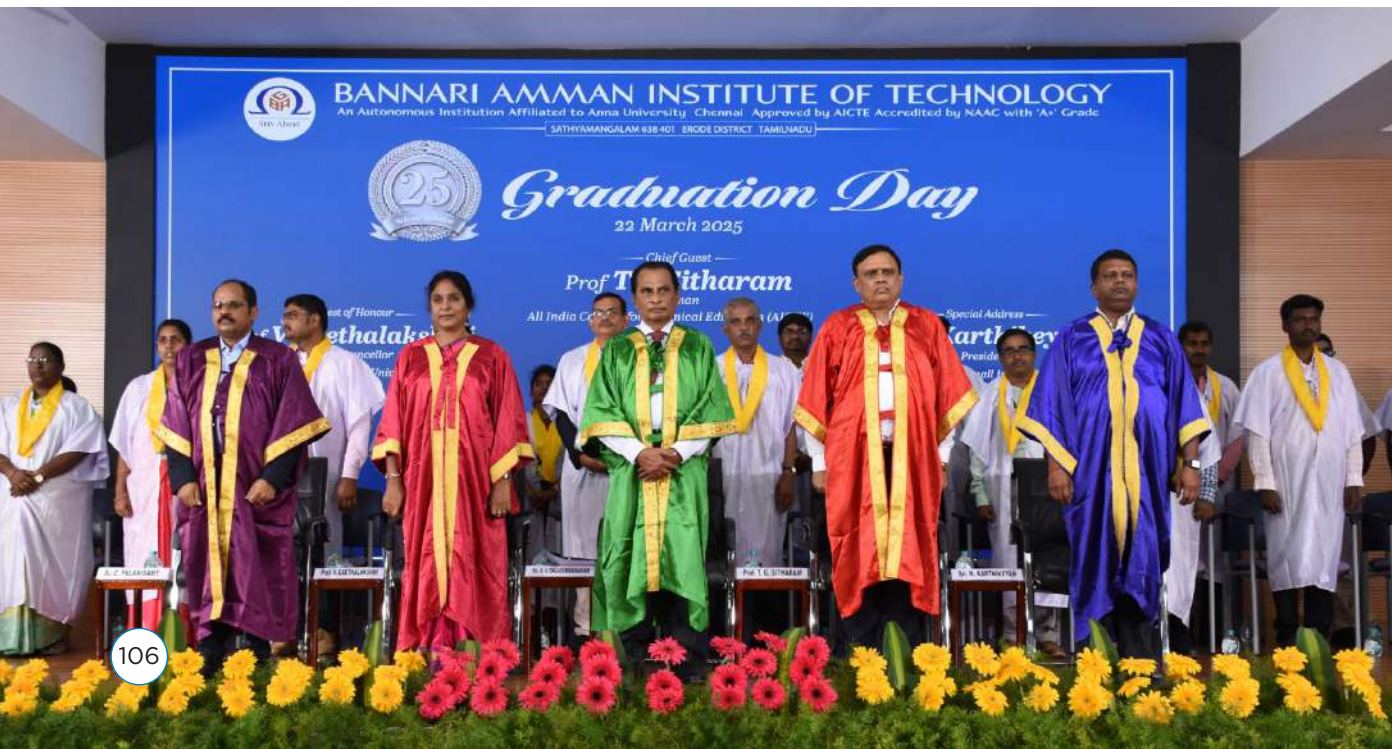
Graduates, as you step into the world beyond the classroom, you are entering an era characterized by rapid technological advancements. Artificial Intelligence (AI), one of the most transformative forces of our time, is reshaping industries and redefining how we work, live, and interact. From autonomous vehicles and smart healthcare to financial modeling and personalized learning systems, AI is disrupting traditional sectors and opening up unprecedented opportunities.

While this era of AI and emerging technologies may seem daunting, it is also filled with immense possibilities. The key lies in continuously upskilling, adapting, and staying curious. AICTE is committed

to supporting your journey through various initiatives. Our AICTE Career Portal serves as a comprehensive platform connecting students with a vast network of employers across diverse industries. It is not just a job board but a gateway to tailored career opportunities, skill development resources, and professional growth pathways.

Furthermore, the AICTE Internship Portal provides access to thousands of internship opportunities across the country. Internships are a vital bridge between academic knowledge and practical application. By participating in internships, you gain hands-on experience, industry insights, and exposure to real-world challenges. I strongly encourage you to leverage this platform to explore roles in AI development, data analytics, machine learning, and other emerging domains.

Placements are a crucial aspect of a student's career journey, and AICTE's Placement Portal is designed to facilitate seamless interactions between students and recruiters. Companies today are actively seeking talent equipped with AI literacy,





critical thinking, and problem-solving skills. I urge institutions to collaborate with industry partners to offer specialized AI training programs and certifications, ensuring students remain competitive and industry-ready.

Moreover, I am pleased to share that AICTE has declared 2025 as the Year of AI, with a strong focus on integrating Artificial Intelligence into the three C's – Classroom, Curriculum, and Career. AICTE has already embarked on this transformative journey.

To further this initiative, we are planning to host AI Mahakumbh in the upcoming months, likely around September or October. This grand event will serve as a vibrant platform, bringing together students, industry professionals, and academicians to engage in meaningful discussions on the pivotal role of AI in reshaping higher education and driving innovation.

We look forward to your enthusiastic participation and valuable contributions

in making AI Mahakumbh a remarkable success.

Also, I would like to highlight AICTE's latest initiative of VAANI scheme to promote regional languages. Last year, 100 conferences were organised in 12 regional languages by AICTE approved Institutions, more than 20000 people were part of these conferences. After seeing the success of the same, AICTE has launched the second edition of the VAANI scheme with double benefits. First we increased the number of conferences from 100 to 200, secondly we increased the languages from 12 to 22. Also i would like to highlight that AICTE funds Rs 2 lakh per conference to institutions for hosting conferences. I urge Institutions to take benefit of the same and promote regional conferences.

My dear students, I encourage you to regularly visit the AICTE website or follow our social media handles. Numerous opportunities are frequently posted, offering valuable prospects for your growth

and development. Stay informed and take advantage of these opportunities simply by remaining updated and proactive. You have immense potential, the only thing required is the right guidance and AICTE is there to guide you with best opportunities. So make utmost use of it.

Dear graduates, remember that learning does not end with graduation. It is a lifelong pursuit. Embrace AI and other emerging technologies as tools to solve societal challenges, drive innovation, and create inclusive solutions. The knowledge you have gained here has equipped you to make meaningful contributions to your communities and beyond.

To the educators and mentors present here, I once again extend my deepest appreciation. You have not only imparted knowledge but also nurtured innovation, curiosity, and resilience among your students. Your role in shaping the future workforce of our nation cannot be overstated. AICTE remains

committed to supporting faculty development through specialized training programs and workshops on emerging technologies.

To the parents, I know today is a moment of immense pride and joy. Your unwavering support and encouragement have been instrumental in your children's success. Continue to be their pillars of strength as they embark on new journeys.

In closing, I once again congratulate each one of you on this remarkable achievement. The future is yours to shape, and I have no doubt that you will lead with purpose, integrity, and resilience. May your journeys be filled with success, growth, and fulfillment.

Thank you, and all the very best for your future endeavors.

Jai Hind!



JAIN Deemed to be University

Bangalore, Karnataka

23rd March, 2025

Namaskar!

Greetings to all!

I am glad to be here at JAIN Deemed to be University for the remarkable “Beyond the Classroom” initiative. I extend my heartfelt gratitude to Dr. Sagar Gulati and the entire university community for inviting me to this celebration of excellence, innovation, and social impact.

Education is not confined to textbooks and examinations. True learning happens when we step beyond the four walls of a classroom and engage with the world around us. It is in those moments of exploration, experimentation, and real-world application that we grow into well-rounded individuals. Initiatives like “Beyond the Classroom” exemplify the importance of experiential learning, nurturing creativity, critical thinking, and leadership. This initiative aligns beautifully with the transformative vision of the National Education Policy (NEP) 2020, which encourages experiential learning, entrepreneurship, and interdisciplinary growth.

Education and learning beyond classrooms are essential for holistic development. While traditional education provides foundational knowledge, it is the experiences outside the classroom that cultivate critical thinking, problem-solving abilities, and practical skills. Real-world exposure through internships, community service, entrepreneurship, and research projects allows students to apply theoretical concepts, fostering a deeper understanding of their subjects.



Moreover, learning beyond classrooms promotes creativity, adaptability, and collaboration — skills that are crucial in today's rapidly evolving world. Engaging with diverse environments and perspectives enhances emotional intelligence and cultural awareness, preparing students to become responsible global citizens.

I was informed about many outstanding innovations that took place under Beyond the classroom initiative. I personally commend the efforts and creative minds of students who thought differently and were able to innovate something unique and beneficial.

To the students who have developed a Mobile App dedicated to Women Safety - your work exemplifies the power of technology for social good. Safety and security are fundamental rights, and your innovation is a shining example of how engineering and technology can address real-world challenges. Keep pushing the boundaries, knowing that your efforts make a tangible difference.

To the student entrepreneurs who have established enterprises while pursuing their studies, your determination and courage are truly commendable. To the game developers who have launched mobile games on the Google PlayStore, your creativity and technical acumen have allowed you to make a mark in the ever-evolving digital world.

To the social entrepreneurs leading sustainable and environmental initiatives, your compassion and commitment are invaluable. The path you have chosen is not always easy, but the impact you create is profound. Sustainability is the need of the hour, and your projects contribute significantly to building a greener, healthier planet.

To the young filmmakers using cinema to drive societal change, storytelling is a potent force for advocacy and awareness. Your narratives have the power to ignite conversations, inspire action, and shift perspectives. Keep using your voice to make a positive impact.



WELCOMES YOU ALL TO
BEYOND THE CLASSROOMS
A STUDENT ENGAGEMENT PROGRAM
CHIEF GUEST: PROF. T. G. SITHARAM, HON'BLE CHAIRMAN
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (AICTE)

DATE: 23RD MARCH 20

VENUE: KNOWLEDGE



And to the Learning Design Engineers who are reshaping academic experiences, your contributions are pivotal. Your innovative approaches to pedagogy and assessments reflect a forward-thinking mindset that is essential for the education system of tomorrow.

JAIN University's commitment to fostering such a dynamic and inclusive ecosystem is truly admirable. The fact that you attract students from over 38 countries is a testament to your global appeal and academic excellence.

As the Chairman of AICTE, I assure you that we will continue to support initiatives like "Beyond the Classroom." Our commitment to empowering students, promoting research, and encouraging innovation remains steadfast. Let us work together to build a future where every student's potential is realized, and their contributions enrich society.

Initiatives like hackathons, innovation challenges, and social impact projects further encourage students to think independently and drive change. By

stepping outside the confines of textbooks and lectures, learners can discover their passions, nurture leadership qualities, and build resilience.

In essence, education is not limited to acquiring knowledge but involves using it to solve real-world problems. Learning beyond classrooms bridges the gap between theory and practice, shaping individuals who are not only academically proficient but also equipped to contribute meaningfully to society.

Dear students, remember that your journey has just begun. Continue to think critically, act responsibly, and lead with purpose. The world needs your ideas, energy, and resilience. Never underestimate the impact you can create.

Once again, congratulations to all the achievers. May you keep pushing the boundaries of what is possible and continue to inspire us all.

Thank you, and best wishes for a bright and fulfilling future.

Jai Hind!



Dainik Bhaskar Group Education Conclave

New Delhi

26th March 2025

Good morning, esteemed dignitaries, educators, policymakers, and industry leaders,

It is an absolute honor to address you at the Dainik Bhaskar Group Education Conclave on the subject-“*Vision for Education in India.*”

To begin with, let us take a brief journey into the rich history of education in our country. Education in ancient India was not merely about reading books or acquiring theoretical knowledge. It was a holistic approach to learning that emphasized the development of skills, arts, values, and practical knowledge. Our Gurukul system was a prime example of this ethos, where students lived with their teachers, imbibing wisdom through experiential learning. They were taught not just subjects of intellect but also lessons of life—how to live harmoniously, respect elders, contribute to society, and develop resilience.

In those days, education was deeply rooted in the understanding of nature, spirituality, and self-discipline. Young learners were groomed to become scholars, warriors, administrators, or artisans based on their

aptitudes and interests. They underwent rigorous training in fields ranging from philosophy and mathematics to martial arts and medicine, fostering a balanced and self-sufficient society.

India’s legacy as a knowledge leader is evident in the establishment of ancient centers of learning such as Nalanda and Takshashila. Nalanda University, in particular, was a beacon of intellectual pursuit, attracting scholars from across Asia, including China, Korea, and Central Asia. Similarly, Takshashila served as a renowned educational hub that nurtured some of the greatest minds in history, including Chanakya and Panini. These institutions symbolized India’s commitment to knowledge exchange, innovation, and academic excellence.

However, with time, the education system underwent significant transformations. Colonial rule, socio-economic shifts, and modern advancements brought new challenges and opportunities. While we adopted formal schooling systems and university structures, we must remember that the essence of education lies in empowering individuals to think

critically, solve problems, and contribute meaningfully to society.

Today, as we envision the future of education in India, it is essential to rekindle the spirit of our ancient learning methodologies while integrating contemporary advancements. Science, technology, research, and innovation must take center stage. At the same time, our curriculum should foster creativity, critical thinking, and ethical leadership. Collaboration between educational institutions, industries, and government bodies will play a pivotal role in bridging knowledge with application.

Furthermore, leveraging emerging technologies like Artificial Intelligence, Machine Learning, and Blockchain can revolutionize learning experiences, making education more personalized, accessible, and inclusive. Skilling and reskilling initiatives will also ensure that our youth

are prepared for the rapidly evolving job market.

In this transformative journey, let us remain committed to the vision of making India a global hub of knowledge once again. By nurturing curiosity, promoting interdisciplinary learning, and embracing our cultural heritage, we can pave the way for a brighter and more sustainable future.

IMPORTANCE OF STEM EDUCATION

Science, Technology, Engineering and Maths (STEM) are crucial for keeping the world functioning. With **STEM (Science, Technology, Engineering, and Mathematics)**, it is not the teaching of one subject but rather the amalgamation of all four subjects as a comprehensive one through an interdisciplinary curriculum. This helps





students to deal with real-world situations and apply their learnings to create, innovate and discover new things. Also, it has been proven that students who adopt the STEM learning approach have better possibilities of getting placed at good companies, achieving the goals of their life contributing to the environment, etc.

The core components of STEM education include problem-based learning, where students analyze real-life issues, propose solutions, and create prototypes. Rigorous learning encourages deeper understanding by questioning assumptions rather than relying on rote memorization. Emphasis on career, technology, and life skills ensures students gain hands-on experience through projects and internships. Personalized learning offers flexibility, allowing students to learn at their own pace and tailor their educational journey.

Importance of Skilling, Upskilling, and Professional Courses: AICTE's Vision for Education in India

Skilling, upskilling, and professional courses are essential for empowering individuals

and enhancing their employability in today's rapidly evolving job market. The All India Council for Technical Education (AICTE) has been at the forefront of driving initiatives that bridge the gap between academic learning and industry demands. Through the **AICTE Internship Portal**, students gain practical, hands-on experience that complements their theoretical knowledge, making them job-ready. The **AICTE Placement Portal** and **Career Portal** further facilitate employment opportunities by connecting students with prospective employers, ensuring smoother transitions from academia to the workforce. Additionally, AICTE's **PROFIENCE** scheme is designed for working professionals, offering opportunities to upskill and stay competitive in emerging technologies and industries.

To build a future-ready workforce, AICTE has introduced initiatives that focus on faculty development and knowledge enhancement. The **Quality Improvement Program (QIP)** provides postgraduate certificates in emerging areas, ensuring educators are equipped to impart the latest knowledge to their students. Furthermore,

Faculty Development Programs (FDPs)

offer continuous learning opportunities for faculty members, fostering academic excellence and upskilling in new domains. These initiatives align with the **National Education Policy (NEP) 2020** by promoting experiential learning, interdisciplinary approaches, and the integration of vocational and technical education. By emphasizing skilling, upskilling, and professional development, AICTE envisions nurturing innovators, leaders, and entrepreneurs who will contribute to India's sustainable growth and global competitiveness.

AICTE enhancing the quality of education

All India Council for Technical Education (AICTE), a statutory body under the Ministry of Education, grants approval for conducting courses in Technical Education at diploma, undergraduate and postgraduate levels to Technical Institutions, Institutions deemed to be Universities and standalone institutions. To enhance quality of technical education, AICTE has taken several steps including:

- Model Curriculum has been developed in areas such as Artificial Intelligence, Data Science, Space Technology, Electronic Engineering (VLSI Design and Technology), Robotics and Artificial Intelligence etc. Due representation of Industry stakeholders is ensured in the curriculum revision committees.

- Memoranda of Understanding (MoU) with leading industries and organisations have been signed to facilitate internship, skilling and upskilling of students and faculty members.
- Issued model internship guidelines for technical courses. Internship

is a mandatory component of the Model Curriculum issued by AICTE for different courses. These guidelines provide internships full-time or part-time.

- Industry Academia Mobility framework launched by AICTE to facilitate connection between theoretical knowledge and practical application, facilitating collaboration between academia and industry. Additionally, it provides for frameworks for industry-academia partnership, encouraging mutually beneficial engagements that enrich both parties.

Significant importance of promoting Research ecosystem in India

Government steps:

- To promote research ecosystem in the country, in pursuance to the Budget Announcement 2018-19, the Government had approved Prime Minister's Research Fellowship Scheme (PMRF) with total financial outlay of Rs. 1650.00 Cr. The scheme aimed to attract the best and brightest minds to pursue high - quality research in India's premier academic institutions with enhanced financial support.
- Under the first phase of PMRF, 3688 scholars are admitted. The first phase of PMRF has led to better outcomes of research and thus, 10,000 fellowships have been announced under PMRF in Budget 2025-26 for technological research with enhanced financial support.



- The Government has approved establishment of three Centres of Excellence (CoE) in Artificial Intelligence (AI); one each in the areas of health, sustainable cities and agriculture; with a total financial outlay of Rs. 990.00 Cr over the period of FY 2023-24 to FY 2027-28.
- 42 Centrally Funded Institutions including 8 Central Universities, 7 IITs and 8 IIMs were added in the last ten years from 2014 to 2024.

AICTE Declares 2025 as the Year of AI: Paving the Way for AI Mahakumbh

Recognizing the transformative potential of Artificial Intelligence (AI) and its profound

impact across industries, the **AICTE** has declared **2025 as the Year of AI**. To mark this significant initiative, AICTE is set to host the **AI Mahakumbh in October 2025**, serving as a precursor to the highly anticipated **AI Summit** scheduled to be held in India the following year. The AI Mahakumbh will bring together educators, industry leaders, policymakers, and innovators to deliberate on AI advancements, their applications in education, and the necessary strategies for navigating this technological shift.

AI is rapidly disrupting traditional learning models and redefining the landscape of education. Tools like **ChatGPT** and other generative AI models are empowering students with instant access to information, problem-solving assistance, and interactive learning experiences. While this presents immense opportunities, it also poses challenges in ensuring the credibility and

effectiveness of assessments. The ability of students to generate AI-assisted answers necessitates a shift in the way we evaluate learning outcomes. Moving from rote memorization to critical thinking, problem-solving, and practical application will be key. To address this, **faculty training** and upskilling are paramount. By equipping teachers with the knowledge and tools to leverage AI in classrooms, we can enhance pedagogical approaches and foster a more interactive and analytical learning environment.

The AI Mahakumbh will serve as a collaborative platform to discuss actionable insights, exchange best practices, and shape policies that drive AI adoption in education. It will emphasize the need for **innovative assessment models**, the integration of AI in curriculum design, and the importance of continuous upskilling for educators.

Fostering Innovation and Entrepreneurship

Education without innovation is like a body without a soul. AICTE has consistently championed the spirit of innovation through initiatives like the Smart India Hackathon and the establishment of Innovation Councils in institutions nationwide. Our students are not just job seekers; they are job creators.

Startups emerging from Indian campuses are solving real-world problems and contributing to the nation's economy. Programs like the AICTE IDEA Labs are igniting young minds to think beyond boundaries. Our collaboration with industry giants ensures that students gain hands-on experience, making them ready for the global workforce.

Scholarships

Access to quality education should not be a privilege but a right. AICTE offers numerous scholarships to support meritorious and economically disadvantaged students. Special schemes for women, differently-abled individuals, and students from rural areas are bridging the educational divide.

We believe that empowering women in STEM fields is pivotal for inclusive growth. Initiatives like the AICTE Pragati, Saksham, SARASWATI Scholarships are making this vision a reality.

A Call to Action

Ladies and gentlemen, the path ahead is full of opportunities. As educators, policymakers, and industry leaders, let us commit to creating a vibrant, inclusive, and future-ready education ecosystem.

- Let us empower our youth to think, innovate, and lead.
- Let us bridge the gaps between academia, industry, and research.
- Let us ensure equitable access to quality education for all.
- Let us celebrate the spirit of entrepreneurship and nurture the next generation of changemakers.

Together, we can propel India towards becoming a global education leader and a knowledge superpower.

Thank you.

Jai Hind!

Odisha Private Engg. Schools' Association (OPESA)

Odisha

27th March, 2025

Namaskar!

Greetings to all.

It is an absolute privilege to be here today at the State Level Conclave on Education to Employment of Diploma Engineering Students in the Context of NEP-2020. I extend my heartfelt thanks to the Odisha Private Engineering Schools' Association (OPESA) for organizing this remarkable event and for inviting me as the Chief Guest.

The National Education Policy 2020 has laid the foundation for a transformative era in the Indian education landscape.

One of its core objectives is to bridge the gap between education and employment, ensuring that our students are equipped not only with theoretical knowledge but also with practical skills that meet industry demands.

Diploma engineering students play a vital role in the growth of our nation. With hands-on learning experiences and technical expertise, they contribute significantly to sectors like manufacturing, infrastructure, and services. The NEP-2020 emphasizes experiential learning, multidisciplinary education, and skill





development, paving the way for a holistic educational experience.

Across the country, we have:

- 3566 Polytechnic Institutes with
- 2062 Private Self-financing institutions employing 71,427 faculty members
- 1293 Government institutions with 27,901 faculty
- 143 Govt-aided institutions with 5,356 faculty
- Various universities contributing with faculties across different domains

To support the aspirations of diploma students, AICTE has introduced multiple scholarship schemes:

1. AICTE Pragati Scholarship Scheme for Girl Students
 - Provides financial assistance to 5000 girl students per annum

pursuing diplomas from 23 States/UTs, and all eligible girl students from the remaining 13 States/UTs.

- Financial support: Rs. 50,000/- per annum
2. AICTE Saksham Scholarship Scheme for Differently-abled Students
 - Open to all eligible differently-abled students with no fixed number of scholarships.
 - Financial support: Rs. 50,000/- per annum
 3. AICTE Swanath Scholarship Scheme
 - Designed for orphans, wards of parents who died due to Covid-19, and wards of Armed Forces and Central Paramilitary Forces martyred in action.
 - Offers 1000 scholarships per year with financial assistance of Rs. 50,000/- per annum.

These scholarships not only provide financial relief but also encourage students to continue their education without barriers. Furthermore, AICTE has consistently supported institutions in implementing industry-oriented curricula, fostering entrepreneurship, and encouraging innovations through initiatives like the AICTE-IDEA Labs, internship portals, and skill development programs. Our collaborations with leading industries ensure that students are exposed to real-world applications, making them industry-ready.

The introduction of the Academic Bank of Credits, multiple entry and exit options, and credit transfer systems have empowered students to pursue flexible learning pathways, making education accessible and inclusive. I am confident that initiatives like these will strengthen the diploma education ecosystem in Odisha and across the country.

Furthermore, the introduction of Academic Bank of Credits, multiple entry and exit options, and credit transfer systems have

empowered students to pursue flexible learning pathways, making education accessible and inclusive. I am confident that initiatives like these will strengthen the diploma education ecosystem in Odisha and across the country.

I would also like to commend the efforts of OPESA and the participating institutions for their dedication to nurturing young talent. Your role in fostering academic excellence and enhancing employability is truly commendable.

As we deliberate on innovative strategies and best practices today, let us remain committed to creating a seamless transition from education to employment for our students. Together, we can build a robust technical workforce that drives India's economic growth and technological advancement.

Once again, thank you for this opportunity. I look forward to the insightful discussions ahead.

Jai Hind!

Thank you.





VID



CELEBRATION OF 40 YEARS

Vidya School

Gurugram

29 March, 2025

Namaskar!

Good evening to one and all present here..

It is a true pleasure to be here at The VIDYA School, one of Gurugram's finest institutions, dedicated to empowering young minds and transforming communities. Being among such vibrant students and passionate educators fills me with immense joy and hope.

I extend my heartfelt congratulations to VIDYA for successfully completing 40 years in serving education and has eventually grown into a nationally recognized organization, transforming the lives of over 6.5 lakh children, youth, and women across India. I commend the hardwork and dedication to the visionary behind VIDYA, Ms. Rashmi Misra. Your unwavering dedication to education, particularly for underserved children, women, and youth, is truly inspiring. You have not only provided a solid educational foundation but have also nurtured the dreams of thousands, fostering a spirit of resilience and confidence. Your contributions are a testament to the transformative power of education. Thank you for making such a profound difference in countless lives.

Standing here, I can't help but reflect on my own journey. Born and brought up

in Karnataka, my early years were filled with curiosity and wonder. Growing up in a modest environment, I found myself captivated by books. They were my window to the world, opening doors to far-off lands, groundbreaking inventions, and inspiring stories of leaders and scientists. Reading wasn't just a hobby; it was an adventure, a constant source of learning and growth.

Books, in many ways, paved my path. They nurtured my imagination and planted the seeds of aspiration. Little did I know that this love for knowledge would one day take me to international platforms, working alongside brilliant minds and learning from global experiences. And now, as Chairman of AICTE, I have the privilege of contributing to the education system of our country, ensuring that young students like you have every opportunity to dream, achieve, and excel.

At AICTE, we firmly believe that education is the most powerful tool for transformation. We have introduced numerous schemes and scholarships to ensure that financial constraints never stand in the way of education. From merit-based scholarships to support for economically weaker sections, we are committed to nurturing talent across the nation. Additionally,



initiatives like internships, skill development programs, and digital learning platforms are designed to equip students with the competencies required to thrive in the modern world.

Technology is changing the world at an unprecedented pace. Artificial Intelligence, Robotics, and Machine Learning are no longer just concepts in textbooks; they are realities that shape our daily lives. I see that VIDYA School has embraced this beautifully with your state-of-the-art robotics lab and IT-enabled classrooms. These initiatives foster creativity, critical thinking, and innovation—essential skills for future leaders and problem solvers.

But beyond technology, what truly makes VIDYA special is its commitment to holistic learning. The Sanskriti program, which immerses students in cultural arts like music and dance, is a beautiful reminder of our rich heritage. It's heartwarming to

see that while you soar high with modern knowledge, you remain deeply rooted in your traditions. This balance of progress and culture is the hallmark of a well-rounded education.

I would also like to commend VIDYA for its dedication to empowering girls. Providing equal opportunities for girls to excel academically and personally is not just necessary but fundamental for the progress of any society. Your efforts in nurturing confident young women who are ready to lead are truly commendable.

To all the students here today, I want to say this: Never stop learning. Every experience, every book, every challenge is an opportunity to grow. Believe in your dreams, work hard, and never be afraid to think differently. Success is not defined by your marks alone but by your resilience, compassion, and determination to make a positive impact.

And remember, no matter where you come from, your potential is limitless. Just like my journey from Karnataka to International Universities, yours too can lead you to incredible places. Seize every opportunity, stay curious, and let your dreams guide you.

Once again, my deepest admiration and gratitude to Ms. Rashmi Misra and the entire VIDYA School team for their remarkable contributions to society. Your work is a shining example of the change that is possible when passion meets purpose.

May VIDYA continue to soar to even greater heights in the years ahead. Celebrating 40 years of dedication and impact is indeed a remarkable milestone, but it is only the

beginning of the incredible journey that lies ahead. With each passing year, VIDYA's efforts will further illuminate the path of knowledge, opportunity, and hope for countless individuals. May the spirit of learning, compassion, and resilience that defines VIDYA remain steadfast, inspiring many more decades of positive change and transformative education. The future holds immense promise, and I am confident that VIDYA will continue to touch lives and build a brighter, more equitable world.

Thank you, and may you all continue to shine and inspire.

Jai Hind!





SRM Institute of Science and Technology (SRM IST)

National Conference of Universal Human Values (UHV) Volunteers

Delhi NCR Campus, Ghaziabad

03 April, 2025

Namaskar!

Greetings to:

**Esteemed Dignitaries, Faculty Volunteers,
Distinguished Guests, and Dear Students,**

It is an absolute honor to stand before you today at the inauguration of the National Conference of Universal Human Values (UHV) Volunteers. I extend my deepest gratitude to SRM Institute of Science and Technology, Delhi NCR Campus, for organizing this meaningful event and for their unwavering commitment to fostering holistic, value-based education.

Human values have always been the cornerstone of India's rich cultural and educational heritage. Irrespective of geographical, cultural, or religious differences, values define our character, our principles, and our interactions with the world. India has long upheld a tradition of wisdom and moral strength, and under the visionary leadership of our Hon'ble Prime Minister, Shri Narendra Modi Ji, we are witnessing a renaissance of our ancient

ethos—one that is deeply rooted in the spirit of Vasudhaiva Kutumbakam, which means 'The world is one family.'

Today, as India strides confidently into the Amrit Kaal—the crucial 25-year period leading to the centenary of our independence—it is essential to reaffirm our commitment to Universal Human Values. The National Education Policy (NEP) 2020 strongly emphasizes value-based education, ethical reasoning, and Indian cultural traditions as integral components of the curriculum. The future of our youth does not rest merely on technical expertise but on a holistic vision of life. A society that fosters human values and ethics is a society that thrives in innovation, peace, and prosperity.

The Role of UHV in Education and AICTE's Contribution

AICTE recognized the importance of Universal Human Values as early as 2017 and has been proactively working



towards integrating them into mainstream education. Our UHV volunteers are exemplary in their dedication, working selflessly to instill these values in students. It is perhaps one of the largest voluntary faculty-led initiatives in Indian education, embodying the true spirit of service and commitment.

NEP 2020 has provided a structured approach to embed ethical and human values into our education system. The policy emphasizes the inclusion of virtues such as *seva* (selfless service), *ahimsa* (non-violence), *satya* (truth), *nishkam karma* (selfless action), *shanti* (peace), tolerance, and respect for diversity. These values are not just moral principles but necessary tools to navigate the complexities of our ever-changing world.

Educational institutions play a pivotal role in shaping the ethical and moral fabric of society. They must not only impart knowledge but also foster a sense

of responsibility, empathy, and integrity among students. Knowledge without values can lead to great technological advancements but also to ethical dilemmas and social instability. Thus, instilling human values in education is not a choice; it is an imperative.

Addressing Global Challenges through Human Values

The world today faces unprecedented challenges—climate change, environmental degradation, conflicts, economic disparities, and technological disruptions. While technological progress has accelerated, it has also led to ethical concerns regarding privacy, sustainability, and social inequalities. In such times, human values must serve as guiding principles to ensure that progress is inclusive, equitable, and beneficial to all.

India has always been a beacon of moral leadership. Our ancient scriptures and philosophical traditions have long advocated for harmony between humans and nature, selfless service, and universal brotherhood. The Bhagavad Gita teaches us the importance of righteous action (Dharma) and selfless work (Karma Yoga). Similarly, the teachings of Mahatma Gandhi, Swami Vivekananda, and Dr. A.P.J. Abdul Kalam emphasize that true education must build character and instill moral courage.

This is why AICTE remains committed to strengthening value-based education, and the UHV initiative is a crucial part of this vision. By embedding values in our curriculum and fostering ethical leadership among students, we can contribute tangibly to India's aspirations of becoming a global leader in innovation and human-centric development.

Education is the most powerful tool to build a civilized and dignified society. A strong educational foundation ensures a humane and prosperous nation, while the absence of values in education leads to moral and

ethical decay. Unlike technical skills, which once learned remain with us, human values require continuous practice, reinforcement, and nurturing.

The great philosopher Adi Shankaracharya emphasized the importance of preserving values with great care, comparing them to a mother protecting a child in the womb. If neglected, values and ethics can fade away, much like camphor that evaporates if left exposed. Hence, it is imperative that institutions not only teach values but also exemplify them in their conduct, governance, and interactions with society.

The Way Forward: Strengthening UHV Initiatives

To take this mission forward, AICTE is committed to further integrating UHV programs into technical and higher education institutions. This includes:

- Expanding faculty training programs on Universal Human Values.





- Encouraging institutions to adopt a value-based approach in student development.
- Strengthening collaborations with stakeholders to ensure that ethics and sustainability remain central to education policies.
- Creating platforms for students to engage in community service, ethical decision-making workshops, and leadership training focused on moral values.

The responsibility of building an ethical society does not rest on policymakers alone. It is a shared responsibility—of educators, students, institutions, and society at large. Each one of us has a role to play in ensuring that human values remain the bedrock of our progress.

I want to extend my heartfelt appreciation to the 125 Key UHV Faculty Volunteers present here today. Your dedication and selfless service are shaping the future of our nation. By embedding human values in education, you are not only nurturing young minds but also strengthening the moral fabric of our society. Your efforts are crucial in building a nation that values

compassion, integrity, and collective well-being.

To our young students, I urge you to embrace these values in your lives. Success is not merely defined by academic achievements or professional milestones, but by the impact you create through kindness, empathy, and ethical leadership. Let us commit to building a society where knowledge is driven by ethics and innovation is guided by human-centric values.

As we stand at the crossroads of rapid technological advancement and profound societal change, let us remember that values are the true compass that guides progress. A society that upholds human values is a society that thrives in peace, prosperity, and harmony. AICTE remains steadfast in its mission to integrate Universal Human Values into education, ensuring that our students not only excel professionally but also contribute meaningfully to society.

Let us walk together on this path of holistic education, ethical leadership, and universal well-being. Let us make India a global leader not just in science and technology, but in wisdom, ethics, and humanity.

Thank you. Jai Hind!

EPSI

National Conference on “The Global Race for AI & Role of Higher Education Institutions for making India a Global Player”

Bhopal

04th April, 2025

Namaskar!

Greetings to:

- Shri Inder Singh Parmar, Hon'ble Minister of Higher Education, Govt of Madhya Pradesh
- Dr. H Chaturvedi, Alternate President, EPSI, Director General, IILM institute of Higher Education, New Delhi
- Mr. P Palanivel, Secretary General, EPSI
- Dr. M R Jayaram, President, EPSI, Chancellor, Ramaiah University, Bengaluru
- Ms. Saba Karim, India Head-Public Sector, LinkedIn
- Mr. Rohit Pandit, Managing Director, People's Group, Bhopal
- Honorable Guests, Distinguished Academicians, Industry Leaders, AI Enthusiasts, and all present here.

Congratulations to EPSI for organizing this National Level Conference on 'The Global Race for AI & the Role of Higher Education Institutions in Making India a Global Player.' I

am truly delighted to see that our education system, especially technical education, is actively engaging in discussions about cutting-edge and disruptive technologies like Artificial Intelligence (AI).

AI is not just another technological advancement; it is a revolution that is shaping industries, economies, and societies worldwide. It has captured the imagination of our youth, and its influence is growing exponentially. However, as AI becomes an integral part of our daily lives, we must also recognize the dual nature of its impact—it is both a powerful tool for progress and a potential risk if not understood properly.

A prime example is the latest Ghibli trend sweeping across the internet. Millions of people are engaging with AI-generated content simply because it is trending, but how many truly understand how it works, the data it relies on, or its broader implications? Many of our young minds are using AI-powered tools and applications without a deep understanding of their mechanics, limitations, and potential consequences.



This is why conferences like this are of utmost importance. They provide a platform to educate, inform, and empower students, educators, and policymakers with the right knowledge about AI and other disruptive technologies. Our youth must not only be consumers of AI but also its creators and ethical stewards. They must understand not just how to use AI but also how to develop it responsibly, ensuring it aligns with human values and societal needs.

India has the potential to be a global leader in AI innovation, but this can only be achieved if our higher education institutions take the lead in AI literacy, research, and responsible implementation. AICTE is committed to fostering AI education, skill development, and ethical AI adoption to ensure that India's youth are well-prepared for the AI-driven future.

2025: The Year of AI - Shaping the Future of Technical Education

As we stand on the brink of a technological revolution, AICTE has declared 2025 as the 'Year of AI', marking a significant step towards integrating Artificial Intelligence into technical education, curriculum development, and skill-building initiatives. Recognizing the profound impact AI will have on industries, economies, and everyday life, we are committed to ensuring that our education system adapts to this transformation and prepares students to thrive in an AI-driven world.

In alignment with this vision, we are taking major strides to embed AI within our academic framework—not just as an elective or an advanced subject, but as a fundamental aspect of learning. Our goal

is to equip students with the knowledge, skills, and ethical understanding needed to leverage AI effectively and responsibly.

To foster a deeper conversation and engagement around AI, we are also planning to launch 'AI Mahakumbh' in the coming months—a national initiative that will bring together students, educators, researchers, policymakers, and industry leaders to discuss the latest advancements, challenges, and opportunities in AI. This initiative will serve as a platform for thought leadership, collaboration, and innovation, ensuring that India remains at the forefront of the AI revolution.

I have often emphasized in my interactions with students and institutions that new technologies should not be feared but embraced. When computers were first introduced, there was skepticism. When mobile phones became widespread, there were concerns. Yet, today, these technologies are indispensable to our daily lives. AI is on the same trajectory—it is not a distant concept but an imminent reality that will seamlessly integrate into every

aspect of our existence. Instead of resisting change, we must prepare ourselves to adopt, adapt, and use AI ethically and effectively.

With AICTE leading the charge, our mission is clear: to empower India's youth to be innovators, not just consumers; to be leaders in AI, not just followers. Through structured education, industry collaborations, and ethical AI awareness, we aim to shape a future where AI is a force for progress, inclusivity, and national development.

Let 2025 be the year where India takes a bold step towards AI-driven excellence in education and beyond.

India's AI Revolution: A Roadmap to Viksit Bharat

India is undergoing a historic transformation in Artificial Intelligence, driven by the visionary leadership of Prime Minister Modi. No longer confined to a privileged few, AI is now accessible to students, startups, and innovators, thanks to initiatives like the IndiaAI Mission and Centres of Excellence



(CoE) for AI. These efforts align with our vision of Viksit Bharat 2047, positioning India as a global AI powerhouse.

- To strengthen our AI capabilities, the government has allocated ₹10,300 crore under the IndiaAI Mission to develop high-performance AI computing.
- This includes a common computing facility with 18,693 GPUs, making AI resources affordable and accessible. A robust semiconductor manufacturing ecosystem is also in the works, with five semiconductor plants under construction to support AI innovation.
- Recognizing that data is the backbone of AI, the IndiaAI Dataset Platform provides startups and researchers with access to high-quality, anonymized datasets.
- Additionally, three AI Centres of Excellence in Healthcare, Agriculture, and Sustainable Cities have already been established, with a new CoE for AI in Education announced with a ₹500 crore investment.
- India is developing its own Large Language Models (LLMs) and AI solutions tailored to local needs. Initiatives like BharatGen, Sarvam-1 AI Model, and Hanooman's Everest 1.0 are pioneering Indian-led AI advancements in multiple languages.
- India's AI-skilled workforce has grown 14 times since 2016, with the AI industry projected to reach USD 28.8 billion by 2025.
- India's Generative AI ecosystem is

booming, with 80% of businesses prioritizing AI investments and AI startup funding surging sixfold in Q2FY2025. AI-driven solutions are empowering small and medium businesses (SMBs) and revolutionizing industries like finance, healthcare, and governance.

India is not just adopting AI—it is shaping the future of AI. Through strategic investments, robust infrastructure, and a skilled workforce, we are on the path to becoming a global AI powerhouse. AI will be the catalyst in our journey towards Viksit Bharat 2047, ensuring economic growth, technological leadership, and societal progress for generations to come.

Let us use this opportunity to exchange ideas, collaborate, and pave the way for an AI-powered India that is inclusive, innovative, and globally competitive.

AICTE's Role in AI Development

AICTE has been a driving force in reshaping AI education in India. Some of our key initiatives include:

- NEP 2020 Implementation: Promoting AI, Machine Learning, and Data Science as integral parts of technical education.
- AI-Enabled Learning Platforms: AICTE's e-KUMBH portal provides extensive resources, including AI-powered technical books in regional languages.
- Smart India Hackathon & SIH 2025: Encouraging students to develop AI-based solutions for real-world problems.



- Anuvadini AI Tool: Leveraging AI for language translation to make education more inclusive.
- Collaboration with Global AI Leaders: AICTE has been working closely with global tech companies and research institutions to create industry-ready AI talent.

While AI is a game-changer, it is essential to remember that our success in AI is not just about technology but about people. India must focus on developing a human-centric AI ecosystem that prioritizes inclusivity, employment generation, and societal progress. We must also recognize that AI will not replace humans; rather, it will enhance human potential. Our goal should be to create AI for all, ensuring that AI benefits every citizen, every student, and every industry in India.

As we navigate the global race for AI, let us remember that the real power of AI lies in how we use it. Our universities, research institutions, and industry leaders must work together to create an AI-driven India that is not just a consumer but a global leader in AI innovation.

AICTE remains committed to fostering an AI-ready workforce, supporting cutting-edge research, and ensuring that every student, regardless of background, has access to AI education. With collective effort, India can not only participate in the global AI revolution but lead it.

Let's move forward together, making AI a force for good, a driver of change, and a catalyst for India's global leadership.

Thank you!

Shri Panneerselvam
Madanagopal
CEO
MeitY Startup

Prof. (Dr.) TG Sitha
Chairman
AICTE



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Chairman, AICTE

STARTUP
mahaskumbh
BHARAT INNOVATES

Startup Mahakumbh

Panel Discussion-Becoming Vishwa Guru, an Innovation Hack

New Delhi

05 April, 2025

- India's dream of becoming a *Vishwa Guru* is rooted in its ancient legacy of knowledge, science, and innovation—from Aryabhata and Sushruta to today's tech entrepreneurs.
- As we aspire to reclaim this global leadership, innovation, startups, and skilling will be our core pillars.
- With over 50% of the population below 25, India has the world's youngest and most dynamic talent pool.
- Empowering youth through a strong innovation ecosystem in educational institutions is key to becoming a global leader.

Role of AICTE in Nurturing Innovation

AICTE has been at the forefront of transforming India's technical education ecosystem into a hub of innovation, creativity, and entrepreneurial thinking. By embedding innovation at the core of learning, AICTE is enabling students

to move from passive learners to active problem-solvers, creators, and future leaders. Some of its key initiatives include:

1. Smart India Hackathon (SIH)

- Recognized globally as the world's largest open innovation model, SIH brings together students, academia, government bodies, and industry under one roof.
- It encourages students to solve pressing real-world problems—be it for ministries, PSUs, or corporations—through collaborative, time-bound, and tech-driven solutions
- SIH has generated thousands of workable solutions, many of which have been adopted by ministries and departments, showcasing the innovation potential of young India.

2. AICTE IDEA Labs

- These labs provide students with access to state-of-the-art



facilities and tools for hands-on experimentation, prototyping, and innovation.

- IDEA Labs promote a *do-it-yourself* culture where creativity is encouraged, and learning by doing is emphasized.
- Students learn the art of converting raw ideas into scalable prototypes, fostering both technical acumen and entrepreneurial vision.

3. Innovation, Design & Entrepreneurship (IDE) Bootcamps

- A highly interactive and intensive model to train students and faculty on design thinking, rapid prototyping, innovation lifecycle, and business model development.
- These bootcamps aim to develop the right mindset and skills to

navigate the uncertainties of the entrepreneurial world.

- IDE bootcamps bridge the gap between classroom learning and market readiness.

4. Pentathlon – National Cyber Pentesting Challenge

- A unique 48-hour national-level challenge to boost awareness and hands-on expertise in the crucial area of cybersecurity and ethical hacking.
- This initiative not only promotes cyber literacy but also encourages innovation in safeguarding digital infrastructure—an essential domain in today's tech-driven era.

5. Productization Fellowship

- A groundbreaking initiative to support students beyond ideation,

this fellowship provides a monthly stipend and dedicated time to focus solely on their innovations.

- It relieves students from the pressure of campus placements, giving them the freedom and financial security to pursue their ideas and build scalable products or ventures.
- It symbolizes AICTE's belief that job creation should be valued on par with job seeking.

6. AICTE Internship, Career & Placement Portal

- Integrated platforms are designed by AICTE to bridge the gap between academia and industry by connecting students with valuable real-world opportunities. These portals link students with industries, startups, government organizations, and NGOs, offering them hands-on exposure and practical experience.
- By facilitating lakhs of internships and placement opportunities, these portals empower students to apply their academic knowledge to real-world challenges, enhance their employability, and make informed career choices in today's dynamic job market.

7. Patent Filing- KAPILA

- Through KAPILA, AICTE is cultivating a generation of intellectually empowered innovators, encouraging them not just to invent but also to own and

protect their ideas, paving the way for India's leadership in the global knowledge economy.

- Promotes a culture of innovation and protection of intellectual property in academic institutions and offers financial support for filing patents at both national and international levels.
- Empowers student innovators to safeguard their creations and build strong IP portfolios from early in their careers.

INDIA-Becoming Global Problem Solvers

- India is no longer just solving local problems; we are building for the world—from *frugal innovation* to *frontier tech*.

Our focus should be on deep tech, clean energy, agritech, health tech, and space-tech—areas where India can set global benchmarks.

Collaboration is the New Innovation

- Becoming a *Vishwa Guru* doesn't mean going solo—it means collaborating across nations, sharing knowledge, and setting global standards
- India must lead by example—through *open innovation*, *inclusive development*, and *global partnerships*.
- Let us move from “Job Seekers” to “Job Creators”, and from “Startup India” to “Scale-up India”.



DIPEX 2025

College of Engineering,

Pune, Maharashtra

06 April 2025

Namaskar!

Respected dignitaries on the dais, organizers of DIPEX, faculty members, industry partners, dear students, and aspiring innovators,

A very good evening to each one of you!

I am truly delighted to be here once again at DIPEX—a platform that holds a very special place in my heart. This marks my second visit to this inspiring event, having also attended DIPEX in 2024. I still vividly remember walking through the exhibition stalls last year, interacting with students, and being absolutely overwhelmed by the sheer talent, creativity, and ingenuity displayed by our young innovators. The experience left a lasting impression on me, and I am equally thrilled to witness this year's edition, which has grown even more vibrant and impactful.

Being present at the Valedictory Function of DIPEX 2025 fills me with immense pride and optimism. This platform is not just an exhibition—it is a celebration of innovation, imagination, and the indomitable spirit of youth. What makes DIPEX truly special is that it brings together bright minds from

across Maharashtra and Goa, all united by a shared purpose—to develop solutions that can address both local and global challenges.

Today, as I walk through the displays and engage with you all, I see not just students, but future engineers, technologists, entrepreneurs, and change-makers of India. Your passion, energy, and commitment reaffirm my belief that our nation's future is in very capable hands.

At the very outset, let me congratulate all the participants, mentors, and institutions who have made this year's DIPEX a grand success. Whether you walk away with a prize or not, the experience, learning, and confidence you have gained by building and presenting your working models are truly invaluable.

DIPEX is not just an exhibition—it is a movement. A movement that nurtures grassroots innovation, encourages real-world thinking, and connects academic learning with societal needs. It aligns beautifully with the vision of the National Education Policy (NEP) 2020, which emphasizes experiential learning, critical thinking, and innovation-driven education.



Friends, India today stands on the threshold of a technological renaissance—a transformation that promises to reshape the way we live, work, and grow as a nation. From artificial intelligence to robotics, from the Internet of Things (IoT) to clean energy solutions, from cutting-edge space technology to innovations in sustainable agriculture, the opportunities before us are not just vast—they are limitless.

Yet, while the tools of transformation are within our grasp, the true power to bring about real, meaningful change lies in the hands of our young engineers, scientists, technologists, and entrepreneurs. It is up to them—it is up to you—to rise to the occasion and address the pressing challenges facing our nation today: challenges like accessible rural healthcare, smart and resilient agriculture, efficient mobility systems, affordable housing, and climate-resilient infrastructure.

India is uniquely positioned in this global landscape. We are the youngest country in the world, with nearly 65% of our

population under the age of 35. This is not just a statistic—it is our greatest strength. Our demographic dividend offers an unprecedented opportunity to lead the world in innovation, but only if we empower our youth with the right skills, mindset, and support systems.

Events like DIPEX serve as the foundation for this empowerment. They encourage you to think beyond textbooks, to apply your learning to real-world problems, and to start your journey as creators, not just consumers, of technology. DIPEX is not just a platform for showcasing talent—it's a launchpad for future entrepreneurs, researchers, and leaders. The working models exhibited here represent solutions that can one day transform into scalable startups or social enterprises. At AICTE, we strongly believe in converting *ideas into impact*, and that is why we continue to support initiatives that foster innovation, such as Smart India Hackathon, IDEA Labs etc.

I urge all the student innovators gathered here to take your ideas forward. Seek mentorship, refine your prototypes, test your models in real-world scenarios, and most importantly, never stop questioning, never stop solving. Because engineering is not just about learning and writing exams—it is about implementing your knowledge to bring change in society.

To the organizing committee of DIPEX—thank you for creating such a nurturing ecosystem. You are playing a crucial role in shaping the innovators of tomorrow. Let us now move ahead with a collective vision—to build a self-reliant, technologically empowered, and inclusive India.

In conclusion, I wish all the participants the very best for your future endeavors. May

your curiosity never fade, your innovative spirit never dim, and your dreams always soar high.

Let us channel this collective energy and creativity to build a self-reliant, future-ready India—an India that doesn't just follow global trends but sets them. The world is watching, and the future is waiting—for you to lead.

Let me end with a quote by Dr. A.P.J. Abdul Kalam: “Dreams are not what you see in sleep. Dreams are those that do not let you sleep.”

Keep dreaming. Keep innovating. Keep building.

Thank you.

Jai Hind.





Odisha University of Technology and Research

Bhubaneswar, Odisha

11th April, 2025

Namaskar! Jai Jaggannath!

Greetings to:

- Honourable Governor of Odisha and Hon'ble Chancellor of the University Dr. Hari Babu Kambhampati Ji
- Minister of State (Ind.Charge) Industries, Skill Development & Technical Education.Govt. of Odisha Shri Sampad Chandra Swain Ji,
- Vice Chancellor of OUTR, Prof. Bhibhuti Bhusan Biswal
- Esteemed faculty members, proud parents, media and most importantly, dear graduating students,

Namaskar and a very good morning to you all.

It is indeed an honour and a privilege to be present here at the 2nd Convocation of Odisha University of Technology and Research, an institution that is rapidly rising in stature and contributing to the academic

and technological advancement of the region and the nation.

First and foremost, I extend my heartfelt congratulations to the 1024 students who are receiving their degrees today. This is a proud moment for you, your families, your mentors, and all those who have supported you on this journey. I also take this opportunity to congratulate the faculty and administration of OUTR for nurturing these young minds with dedication, vision, and purpose.

The University, now home to 5070 students, runs 15 undergraduate and 28 postgraduate programmes across disciplines like engineering, architecture, planning, science, and management. This diverse academic ecosystem serves as a melting pot of talent, innovation, and ambition. From a humble beginning as the College of Engineering & Technology, Bhubaneswar, OUTR has evolved into a full-fledged university.

I must commend the University for its stress-free and fear-free learning environment, which encourages curiosity, creativity, and

2nd CONVOCATION ଦୀକ୍ଷାପୂର୍ଣ୍ଣ 11 April 2025



courage to explore new ideas. Such an environment is critical in a world increasingly driven by disruptive technologies and ever-changing paradigms.

Today, we stand at the intersection of multiple revolutions—technological, industrial, and digital. The pace of change is unprecedented. Artificial Intelligence (AI), quantum computing, blockchain, robotics, biotechnology, and space tech are no longer the future—they are the present. AI in particular is transforming the way we live, work, and learn.

At AICTE, we are acutely aware of the impact of these changes and are working proactively to integrate AI and emerging technologies into our education system. AICTE has rolled out initiatives to ensure that both faculty and students are equipped with skills relevant to the Fourth Industrial Revolution. We are promoting AI-focused curriculum, specialized certification courses, hackathons, and internships in collaboration with industry partners. The aim is to prepare our youth not only to adapt to change but to lead it.

As part of the broader vision of our Hon'ble Minister of Education and Skill Development, Shri Dharmendra Pradhan ji, we are also making knowledge truly accessible. Recently, management books were released in Odia language, furthering

our commitment to education in regional languages. This aligns with the National Education Policy 2020 which emphasizes the use of mother tongue as a medium of instruction and the democratization of knowledge.

AICTE has also introduced various schemes to promote inclusive education. Under the *Saraswati* and *Pragati* schemes, we are supporting the education of young women in technical education, encouraging them to pursue careers in STEM fields. For students with disabilities, our *Saksham* initiative ensures financial assistance and a supportive learning environment. Through our *Vaani* initiative, we are enabling the translation of educational materials into multiple Indian languages, ensuring no student is left behind.

Innovation is another cornerstone of our educational mission. Initiatives like Smart India Hackathon, National Innovation Contest, and the establishment of IDEA Labs across the country, including in Odisha, provide a platform for students to think out-of-the-box and solve real-world problems. I urge every student here to take part in these platforms. Let your ideas evolve into prototypes, and your prototypes into products that can serve society.

But innovation is not the job of students alone. Teachers too must transform into lifelong learners. The classroom must become a collaborative space where both the teacher and the student learn from each other. In an era of ChatGPT and generative AI, we must ask ourselves: Are we teaching students what to think or how to think?

Education today is not about memorizing facts, but about developing the ability to question, to connect the dots, to problem-solve, and to communicate effectively. As

AICTE Chairman, I have been advocating for outcome-based education and experiential learning. Let's focus not just on getting degrees, but on gaining skills, values, and a sense of social responsibility.

Let me remind you that engineering and technology are not just about mastering textbooks or solving equations—they are about applying knowledge to solve real-world problems, uplift communities, and drive sustainable growth. As I often say:

“Engineering is not just about learning and writing exams, but more about implementing your learnings into practical use for societal change.”

To all the graduates: As you step into the next phase of your life, remember that this degree is not the end—it is a new beginning. The world is waiting for your contribution. Be it in research, entrepreneurship, industry, or public service—carry the torch of OTR and AICTE with pride. Be bold in your dreams, ethical in your actions, and compassionate in your pursuits.

I urge you to carry the spirit of innovation, inclusivity, and integrity in everything you do. Be entrepreneurs, be researchers, be change-makers—but above all, be human beings committed to the values of empathy, equity, and excellence.

To the teachers: I salute your commitment and efforts. You are the sculptors of the future. Keep updating yourselves, keep inspiring, and keep pushing boundaries.

To the parents: Thank you for trusting this institution and for being the guiding light in your child's journey.

Let us all come together to build a self-reliant, innovative, and inclusive India. Let OTR lead the way for eastern India in becoming a centre for excellence in research, technology, and societal impact.

Once again, congratulations to all the graduates! May you shine bright and contribute to building a better tomorrow.

My best wishes to all of you for a bright, impactful, and fulfilling future.

Jai Hind! Bande Utkala Janani!



SALEM COLLEGE OF ENGINEERING

AN AUTONOMOUS INSTITUTION

25th AND 26th

GRADUATION DAY

Date : Saturday, April 12, 2025



25TH/26TH GRADUATION DAY

Jerusalem College of Engineering

Chennai, Tamil Nadu

12th April, 2025

Namaskar!

Respected dignitaries on the dais, esteemed faculty members, proud parents, and most importantly, dear graduating students,

A very good morning to you all.

It is indeed a great honour and privilege for me to be here today as we gather to celebrate the 25th and 26th Graduation Day of this esteemed institution. This is a momentous occasion—one that marks not just the culmination of years of academic effort, but also the beginning of a new chapter in the lives of hundreds of bright young minds.

To each and every graduate seated here today—my heartfelt congratulations! This day belongs to you. It is a celebration of your hard work, dedication, resilience, and the many challenges you've overcome along the way. You have persevered through rigorous coursework, countless projects, sleepless nights, and now you stand tall, ready to take your place in the world as professionals and changemakers.

I would especially like to acknowledge the Batch of 2019–2023, who have waited

patiently for this day of recognition. I am sure that this convocation brings a sense of joy, fulfilment, and pride. Today, 349 graduates from the 2019 batch and 285 graduates from the 2020 batch will receive their degrees—each one a symbol of the knowledge acquired and the potential that lies ahead.

Dear students, as you step out of the protected environment of your institution into the dynamic, demanding, and ever-evolving world, remember this: the world needs you. It awaits your energy, your ideas, and your innovations. As engineering graduates, you are not just degree holders—you are problem solvers, thinkers, creators, and future leaders. Let your education not just be a memory but a living tool to shape society for the better.

I would also like to extend my sincere congratulations to the Jerusalem Educational Institutions for their unwavering commitment to spreading quality technical education over the years. The consistency in nurturing talent and the relentless pursuit of academic excellence is truly commendable.

Let us also take a moment to appreciate the teachers and mentors whose guidance and encouragement have been instrumental in shaping these young minds. Your efforts, often unseen and uncelebrated, have laid the foundation for the success we witness today.

And to the parents and families—your sacrifices, support, and silent strength deserve the loudest applause. You stood by your children with unwavering faith and provided the environment they needed to grow, learn, and succeed.

Friends, as you step out into the world beyond these walls, remember—graduation is not the end, but the beginning of an exciting journey filled with challenges, opportunities, and the power to shape the future.

India today stands at a transformative juncture. From being a nation of great potential, we are now being recognised globally as a nation of innovation, resilience, and leadership. And the key driving force behind this transformation is *you—the youth of India*.

Today, India is not just participating in global progress—we are leading the charge across multiple sectors. Whether it is the booming startup ecosystem, the trailblazing achievements in space exploration, advancements in cutting-edge technology, growing commitment to environmental sustainability, or the emergence of transformational leadership, India is standing tall on the world stage.

We are witnessing a moment in history where India is both investing in the future and being invested in by the world. Global confidence in our potential is at an all-time high, and that, dear students, is a testament to the strength of our talent, innovation, and vision.

You are stepping into your professional journey at the perfect time. The environment around you is full of opportunities. The nation is providing an enabling ecosystem that supports new ideas, fosters innovation, and rewards dedication. Be it artificial intelligence, green energy, entrepreneurship, manufacturing, or research—India is offering a dynamic platform for each of you to explore your passions and excel.

This is your time. You are in an era where the wind is at your back, the stage is set, and the spotlight is on you. Grab the opportunities, give your 100%, and success will not just be a possibility—it will be inevitable. Believe in your potential, stay committed to your purpose, and become proud contributors to the story of a rising India.

At AICTE, we are deeply committed to nurturing your growth beyond the classroom. We believe that education is not just about acquiring knowledge, but about creating meaningful pathways to apply that knowledge in real-world scenarios. That's why we have developed a range of platforms designed specifically to support your professional journey and help you transition smoothly from campus to career.

I encourage each one of you to actively explore the AICTE Internship Portal, the AICTE Career Portal, and the AICTE Placement Portal. These platforms have been thoughtfully curated to offer you a wealth of opportunities—whether you're looking for internships to gain practical experience, career guidance to refine your direction, or placements to secure your first job.

By registering and engaging with these platforms, you'll gain invaluable insights into how recruitment drives are conducted, what industry leaders are seeking in fresh

graduates, and how you can align your skills with market expectations. These tools are not just digital spaces—they are launchpads for your future.

These portals have been built for you, keeping your aspirations at the center. So don't wait—explore them, make the most of them, and take charge of your professional journey with confidence.

Graduates, as you move forward, remember that engineering is not just about learning and writing exams—it is about implementing your learnings to bring societal change.

Let your knowledge translate into action. Let your ideas turn into enterprises. Let your passion uplift communities. The world doesn't just need engineers—it needs *engineers with empathy, technologists with a purpose, and leaders with integrity.*

India's vision of becoming Viksit Bharat by 2047 will not be realized in Parliament or boardrooms alone—it will be realized in your startups, your social innovations, your green tech solutions, and your contributions to the global knowledge economy.

You are not just graduates—you are *nation builders, problem solvers, and ambassadors of a rising India.*

To the faculty and leadership of this esteemed institution—thank you for nurturing these young minds with knowledge, skills, and values. The role you play in shaping the future of our nation is invaluable.

As I conclude, I leave you with a thought from the great Dr. A.P.J. Abdul Kalam:

“Dreams are not what you see in your sleep. Dreams are the things that do not let you sleep.”

So dream big. Work hard. Stay grounded. And lead the world not just through technology, but through wisdom and values.

Congratulations once again to the graduating batches! May your journey ahead be filled with success, purpose, and endless possibilities.

Jai Hind!





Jaypee Institute of Information Technology (JIIT)

National Workshop on Engineering Education in the Next Techade

Noida

16th April, 2025

Namaskar!

Greetings to:

Distinguished dignitaries, esteemed faculty members, dear students, and respected members of the Jaypee Group,

It is indeed an honour to be here at the Jaypee Institute of Information Technology (JIIT), Noida, for this timely and significant National Workshop on “Engineering Education in the Next Techade”. My heartiest congratulations to the entire Jaypee Group and JIIT for organizing this visionary platform that comes at a crucial juncture in India’s educational and technological journey.

At the outset, allow me to commend the incredible journey of the Jaypee Group. In the past five decades, your contributions have transformed the landscape of infrastructure development in India. From mega hydroelectric projects to cement, real estate, expressways, sports, and hospitality — and not to forget education

— the Group’s legacy has been that of converting challenges into opportunities. With four universities, 34 schools, five ITIs, one Polytechnic, an Advanced Skill Development Centre, and more, Jaypee’s impact in nurturing over 35,000 learners is commendable. And I am told the vision is to touch 2 lakh students in the near future. This is the spirit of Viksit Bharat — a Bharat that educates, empowers, and elevates.

Friends,

As we look ahead to the next 10 years — the Techade — engineering and technical education in India is poised for a massive transformation. This decade is set to redefine how we teach, how we learn, and how we innovate. We are entering an era where the classroom will extend beyond walls, where algorithms will assist human intellect, and where artificial intelligence will be as important as arithmetic.

Let me share a powerful real-life example

that recently made global headlines. A 4-year-old boy in the United States had been battling a mysterious medical condition. After consulting 17 doctors, it was an AI tool — ChatGPT — that accurately diagnosed the rare disease, saving the child's life. This is not science fiction. This is today's reality. AI is no longer a distant possibility; it is a living, breathing force shaping our present and future. This example shows the real power of AI when used wisely — it can solve the unsolvable, it can diagnose what many minds missed. It can complement human intelligence and change lives.

But herein lies our responsibility. While students are fast adapting AI, the faculty must take the lead in guiding them. If educators are not adequately trained, students might misuse these powerful technologies. AICTE firmly believes that before students gain pace in using AI tools, our faculty must be equipped to guide, mentor, and monitor their ethical and meaningful usage. AI is a double-edged sword. Used well, it can change lives; used carelessly, it can mislead generations.

Therefore, capacity building of teachers is not an option, but a priority. AICTE has launched multiple Faculty Development Programs (FDPs), collaborative platforms, and training modules to help faculty stay ahead in this digital race. We are working with institutions and industry to create resources that ensure teachers are not only AI-literate but also AI-competent.

In the coming decade, India will become even more deeply integrated with global value chains. We will see more high-tech manufacturing, biomedical breakthroughs, quantum computing, clean energy solutions, smart infrastructure, and space technology applications. With the advent of advanced technologies like semiconductors, robotics,

6G communication, and augmented reality, the very definition of engineering is being reimaged. To be future-ready, we must ensure that our students are trained not only to meet India's needs but to match — and even lead — the global standards.

Our engineering graduates must not just be job-seekers, but job creators. They should not just be engineers, but solutionists. We must empower them to be resourceful not only for our nation but for the world. Their knowledge must match the benchmarks of developed countries, where technology is not only adopted but adapted and advanced continuously. The global workforce will expect skills that go far beyond theoretical knowledge — critical thinking, creativity, innovation, adaptability, and leadership.

This means we need a paradigm shift. We must think beyond the syllabus, beyond rote learning, and beyond exam scores. We must move towards experiential, practical, and hands-on learning models. Labs must become living spaces of innovation. Classrooms must encourage curiosity, not conformity. Assignments should solve real-life problems, not just theoretical puzzles. Students must engage with problems that exist in their communities and offer real solutions — through startups, through projects, and through interdisciplinary teams.

The National Education Policy (NEP) 2020 has already set the stage for this change. With its emphasis on flexibility, multidisciplinary learning, multiple entry-exit, and academic bank of credits, the NEP enables every student to craft their own learning journey. AICTE has embraced this vision fully, and we are working tirelessly to implement NEP mandates across the length and breadth of technical education. Our goal is to ensure that education becomes

outcome-based, interest-driven, and skill-oriented.

We must also embrace regional languages and inclusive learning. AICTE is promoting technical education in Indian languages, ensuring that no student is left behind due to a language barrier. Our nation is diverse, and so must be our medium of instruction. Today, content in regional languages is available on SWAYAM, e-books, YouTube, and other platforms. After all, Viksit Bharat can only be achieved when every corner of India — rural or urban, Hindi-speaking or Tamil-speaking, mainstream or marginalized — contributes to its progress.

Moreover, we must also foster industry-academia collaboration to bridge the skill gap. Students must have regular internships, apprenticeships, and live projects from the industry. They must learn how businesses function, how technologies are deployed in real environments, and how problems are solved in the real world. Our curriculum must evolve to remain relevant, and our pedagogies must evolve to remain effective.

Dear students,

You are the torchbearers of Viksit Bharat@2047. The path you choose today will define India's standing in the global tech landscape tomorrow. Embrace new-age technologies, but do so responsibly. Think big, but stay grounded. Dream global, but act local. Learn not just for degrees, but for life. Aspire not just to succeed, but to contribute. Remember, your learning is not confined to marksheets but will be measured by your mindset and impact.

And to all faculty members here — thank you for being the sculptors of tomorrow's innovators. Your role in shaping India's future has never been more important. Let us walk together into this new Techade with confidence, clarity, and collective commitment. Let us build an ecosystem where innovation thrives, ethics prevail, and education leads.

Once again, I thank the Jaypee Group and JIIT Noida for this opportunity and for their unwavering dedication to nation-building through education.

Let us all pledge to build a smarter, stronger, and more sustainable India — a truly Viksit Bharat.

Jai Hind!





Masterclass on “AI-Driven Talent Transformation: Strategies for the Future Workforce”

New Delhi

16th April 2025

Respected dignitaries, esteemed organizers, industry leaders, academia, and friends,

Good evening to all of you!

I am glad to join you today for this transformative Masterclass that brings together brilliant minds in technology, talent, and education. I would like to commend ITTL, MyAnatomy, SRM Institute of Science & Technology, and ETHR World from The Economic Times for curating such a timely and forward-looking event.

Today, we are not merely witnessing a technological evolution—we are living through a human revolution powered by artificial intelligence. But allow me to reframe that: what we are truly talking about is Augmented Intelligence—because the goal of AI is not to replace humans, but to amplify human potential.

AI is now transforming how organizations attract, develop, and retain talent. From predictive analytics in hiring to AI-enabled continuous learning platforms, we are looking at a complete reimagining of how talent is discovered and nurtured.

In this rapidly evolving world, talent is no longer just about degrees—it's about skills, mindset, and adaptability.

At AICTE, we have recognized this seismic shift. That is why under the umbrella of the National Education Policy (NEP) 2020, we have embraced radical reforms. We've promoted skill-based, outcome-driven learning through AICTE IDEA Labs, AICTE portals for Internships, Placement and Career and Collaborations with leading EdTechs and industry players. Our objective is clear: to create future-ready graduates who are not just job-seekers but job creators, innovators, and impact-makers.



2025: The Year of AI

Considering the transformative potential of AI, AICTE has officially declared 2025 as the *Year of AI*. To mark this, we are planning to host the AICTE Mahakumbh, a mega event that will bring together academia, industry leaders, policymakers, startups, and students under one roof. The idea is to co-create a shared vision for India's AI-powered future.

But we cannot do this alone. We need your expertise, your guidance, and your collaboration. Together, we can shape how AI can be used not just for growth, but for good.

It is important that we educate our young minds about not just the potential uses of AI, but also the ethical and responsible dimensions of it. It is equally mandatory to train faculty members so that they can guide the next generation with clarity, vision, and responsibility.

Let me share a powerful example that demonstrates how AI is here to help humanity—not to trouble it.

Recently, I came across a news story where a mother of a 4-year-old boy turned to ChatGPT to identify her son's rare illness—something 17 doctors couldn't diagnose. ChatGPT helped her arrive at the correct condition: Tethered Cord Syndrome. This story is a reminder that AI, when used meaningfully, can truly change lives.

In the realm of talent acquisition, AI can now assess far more than just qualifications. It can gauge emotional intelligence, cognitive ability, and team compatibility. Hiring is no longer about matching resumes to job descriptions—it's about creating a resonance between talent and mission.

Companies like Ernst & Young, represented today by Ms. Anshula Verma, are already leading this movement. AI is not just identifying talent—it is enabling inclusive

hiring, eliminating unconscious bias, and empowering diversity.

But here's the caveat: AI is only as ethical and effective as the humans who design and deploy it. Hence, the human values we instill in our students and professionals will define how responsibly AI is used.

India at the Forefront of the Global Talent Wave

With over 1.4 million engineers graduating annually, India stands as a global reservoir of technical talent. But quantity must meet quality.

That's why AICTE is not just focusing on education, but on employability, entrepreneurship, and ethical leadership. Through initiatives like:

- AICTE-NEAT, where over 100 EdTechs are onboarded to promote adaptive learning
- Virtual Internships through AICTE's National Internship Portal
- AICTE-MIC initiatives that promote an entrepreneurial mindset among students

We are ensuring that no individual is left behind in this AI-driven future.

Let us not look at AI as a threat, but as a tremendous catalyst for human evolution. Let us reimagine talent transformation not just as a corporate initiative, but as a national mission.

I urge every HR leader, every academic institution, every student here—ask yourself not just “*What can AI do?*”, but rather, “*What can I do with AI?*”

Because the future doesn't belong to those who fear change. It belongs to those who create change.

Let us strive to create an ecosystem of innovation—rooted in ethics, driven by empathy, and powered by AI. The India we envision—Viksit Bharat by 2047—will be built not only on technology but on the shoulders of talent transformed by intelligence.

Let us lead the way.

Thank you. Jai Hind!





MCCIA EduFest 2025

Pune Maharashtra

18 April, 2025

Namaskar!

Greetings to:

- Mr. Bharat Agarwal, Chairman, MCCIA-Higher Edu.and Skill Devpt.
- Dr. Shailendra Deolankar, Director, Department of Higher Education
- Prof.(Dr.) Suresh Gosavi, Vice Chancellor, SPPU
- Dr. Sathya Menon, Group CEO, Blue Ocean Corporation
- Mr. Prashant Girbane, Director General, MCCIA
- Respected dignitaries, esteemed members of MCCIA, industry leaders, academic heads, policymakers, students, and friends,

I extend a heartfelt thanks to Mahratta Chamber of Commerce, Industries, and Agriculture (MCCIA) for inviting me here at EduFest 2025. I commend MCCIA for its visionary approach in bringing together academia, industry, and government on one platform to engage in meaningful dialogue on the future of education and

employment. MCCIA EduFest 2024 marked a significant —a platform that has grown to become a torchbearer for dialogue and action in higher education and industry collaboration.

This year's theme—"Next-Generation Higher Education Reforms and Skill Development Strategies"—is not only timely but also critical as we stand at the crossroads of disruption and transformation. The National Education Policy 2020, a landmark reform, laid the foundation for this integration—emphasizing flexibility, experiential learning, skill-based training, and lifelong learning. As we now mark over four years since its introduction, I can confidently say that the policy has ignited a silent revolution in Indian higher education.

At AICTE, we firmly believe that the reforms and strategies shaping the future of higher education must emerge from the grassroots level. Only by understanding the real needs and aspirations of our youth can we design systems that truly empower them. As we look ahead, I would like to share my vision for how we can equip and strengthen our students to become leaders, innovators, and changemakers of tomorrow:

1. Cultivating a Positive and Nurturing Learning Environment:

The first step is to create an ecosystem where students feel safe, inspired, and encouraged to explore and learn. A healthy and inclusive educational environment fosters creativity, collaboration, and personal growth. It must prioritize not just academic excellence but also emotional well-being and ethical grounding.

2. Emphasis on Hands-on Training and Skill-based Learning:

Education must go beyond theoretical knowledge. Practical exposure, real-time problem solving, and experiential learning are critical to building industry-ready graduates. Through initiatives like outcome-based education, model curricula, and integration of emerging technologies, we are redefining the learning experience to be more skill-oriented and aligned with the needs of the 21st-century workforce.

3. Student-centric and Adaptive Approach:

Every student is unique. Therefore, our institutions must adopt flexible systems that recognize diverse learning needs and pathways. From multiple entry and exit options to Academic Bank of Credits, AICTE is working towards making higher education more personalized, accessible, and adaptable.

4. Career Development and Industry Engagement:

To bridge the gap between education and employment, AICTE has launched a dedicated **Career, Placement, and**

Internship Portal. This platform connects students with top recruiters, internship providers, and career opportunities, helping them build a strong foundation for the future. Industry-academia collaborations and initiatives such as virtual internships are also helping students gain real-world exposure.

5. Ensuring Inclusivity and Equity in Education:

We are deeply committed to supporting underprivileged and women students through financial aid and targeted initiatives. Flagship schemes such as **AICTE Pragati Scholarship** (for girl students), **Saksham Scholarship** (for differently-abled students), and **SARASWATI Scheme** (for meritorious women learners from BBA/BCA courses) are transforming lives by providing the financial freedom to pursue education without barriers.

6. Fostering Innovation and Entrepreneurship:

Through the establishment of **AICTE IDEA Labs** across the country, we are promoting a spirit of innovation among students. These labs offer hands-on opportunities to experiment, prototype, and bring ideas to life—nurturing a generation of creators, not just consumers.

7. Encouraging Participation in National Innovation Challenges:

Hackathons and bootcamps like the **Smart India Hackathon (SIH)**, **IDE Bootcamps**, and **Pentathon** are platforms that empower students to solve real-world problems using technology and creativity. These challenges help in building critical thinking,

teamwork, and a sense of responsibility toward societal development.

Together, these initiatives represent AICTE's holistic approach to transforming higher education. Our mission is to ensure that every student, regardless of background, is equipped with the right skills, mindset, and opportunities to thrive in a rapidly evolving world.

Friends, we are in the age of Industry 4.0, and now transitioning into Society 5.0, where technology must serve people, and not the other way around. To thrive in such a scenario, we must:

1. Embed future-ready skills—like critical thinking, AI/ML, sustainability, and digital fluency—into every classroom.
2. Strengthen apprenticeships and internships through direct engagement with industry.
3. Facilitate co-creation of curricula where industry experts are partners in shaping academic content.
4. And most importantly, ensure that every student becomes a creator—

not just a consumer—of knowledge and technology.

Today, I urge all stakeholders here—be it academic leaders or business heads—to move from transactional partnerships to transformational collaborations. Let us co-create centres of excellence, offer real-time exposure to students, and align our learning ecosystems with the needs of a rapidly evolving global economy.

I also call upon MCCIA to continue being a catalyst in this journey—facilitating knowledge exchange, incubation linkages, and industry-research tie-ups.

Let me end by saying this: The future of India will not be built in boardrooms alone or lecture halls alone. It will be built in the space where industry and academia meet, learn from each other, and innovate together.

Thank you once again for this invitation. I look forward to engaging further with all of you and working closely in our shared mission of architecting India's knowledge economy.

Jai Hind.





2ND FOUNDATION DAY

Ratan Tata Maharashtra State Skills University (RT-MSSU)

Mumbai

19th April 2025

Namaskar!

Greetings to:

- Shri. C. P. Radhakrishna Ji, Governor of Maharashtra
- Shri. Mangal Prabhat Lodha Ji, Hon'ble Minister of Skill, Employment, Entrepreneurship and Innovation Govt of Maharashtra
- Vice Chancellor-Prof. (Dr.) Apoorva Palkar
- Esteemed faculty members, industry leaders, students, and distinguished guests,

It is indeed a moment of deep honour and reflection to be present here at the Second Foundation Day of Ratan Tata Maharashtra State Skills University (RT-MSSU)—an institution that carries the name and spirit of a towering legend, Shri Ratan Tata.

Named after one of India's most revered industrialists and philanthropists, Shri

Ratan Tata, this university stands not only as a tribute to his legacy of excellence and integrity, but also as a beacon of hope and opportunity for thousands of young aspirants seeking meaningful, future-ready careers through skill-based education.

On this occasion, I urge you all to bow your heads in respect and pay a humble tribute to *Bharat Ratna* Shri Ratan Tata, a visionary industrialist, humanitarian, and nation-builder whose life was dedicated to the service of India. His contributions to industry, philanthropy, innovation, and nation-building are unparalleled. Shri Tata's legacy is not just etched in the towering institutions he built, but also in the countless lives he touched—through education, healthcare, livelihoods, and values of integrity and excellence. His demise is an irreplaceable loss to the country, but his spirit will continue to guide generations to come. It is only fitting that the Maharashtra State Skills University bears his name—an



institution envisioned to carry forward his dream of an empowered, skilled, and self-reliant India.

The Ratan Tata Maharashtra State Skills University is a pioneering initiative by the Government of Maharashtra—the first of its kind in the country, dedicated exclusively to imparting high-quality skill-based education. With a mission to create a highly skilled, employable, and entrepreneurial youth force, the University integrates academic learning with hands-on training, industry collaboration, and startup incubation. Through initiatives like on-job training, apprenticeships, counselling, and placements, the University is preparing a job-ready workforce to meet the evolving needs of the industry and propel the economic growth of the state and the nation.

As India enters Amrit Kaal, our national vision is to become a Viksit Bharat by 2047. This transformation hinges on the strength of our youth—on their skills, their adaptability, and their ability to innovate.

But for this to happen, we must inspire them to dream, take risks, and remain resilient. Institutions like RT-MSSU are playing a critical role in this mission by bridging the gap between traditional education and real-world employability.

Shri Tata once said, “None can destroy iron, but its own rust can! Likewise, none can destroy a person, but their own mindset can.” This profound truth defines what we must teach our students: that the real strength lies within. It is our mindset, our values, and our ability to learn, unlearn, and rise again that define our destiny.

At AICTE, we strongly believe that the future of higher education lies in integrating knowledge with skills, theory with practice, and classroom learning with hands-on experience. In this context, I commend RT-MSSU for its commitment to outcome-based learning, industry collaboration, and emphasis on nationally and internationally recognised certifications.

As we celebrate this important milestone today, I would like to share a few key

thoughts on how we can further redefine the skill ecosystem for a dynamic, inclusive, and technology-driven future:

1. Make Skill Education Aspirational

We must break the mental barrier between vocational and academic pathways. Skill-based education must be seen as an equally prestigious route, opening doors to global opportunities. Universities like RT-MSSU are uniquely positioned to set this narrative by blending skill, entrepreneurship, and academic rigour.

2. Promote Industry-Linked Curriculum

The future of learning must be driven by the demands of the job market. AICTE has always advocated strong industry-academia linkages. We are glad to note that RT-MSSU's programs are aligned with the requirements of sectors such as manufacturing, IT, green energy, healthcare, and more.

3. Empower Women and Marginalised Youth

Inclusivity is not just a policy, it is a necessity. I urge RT-MSSU to expand access to skill education for young women, students from rural and tribal regions, and those from economically disadvantaged backgrounds. At AICTE, we have taken steps through scholarships like Pragati, Saksham, and Saraswati to support such causes.

4. Leverage AI and Emerging Technologies

As AICTE has declared 2025 as the 'Year of AI', we believe that Artificial Intelligence, Robotics, Blockchain, and Green Technologies must be at the heart of every skill development strategy. RT-MSSU can play a key role in creating a future-ready workforce by integrating these emerging technologies into its curriculum and labs.

5. Encourage Entrepreneurship and Start-up Culture

Let us not only prepare job-seekers but



also nurture job-creators. Platforms like AICTE IDEA Labs, Startup Incubators, and Hackathons are showing us that with the right ecosystem, our youth can become innovators, problem solvers, and leaders of tomorrow.

I want to inform the students of The Ratan Tata Maharashtra State Skills University that this is not just another academic institution but a revolution in the making. This University is pioneering a new model of skill-based higher education—one that brings together training, innovation, entrepreneurship, counselling, incubation, apprenticeships, and placements into a unified and industry-integrated ecosystem.

Shri Tata once remarked, “I don’t believe in taking right decisions. I take decisions and then make them right.” This fearless approach is what we need in education today—bold reforms, new-age models, and a commitment to course-correct along the way. RT-MSSU embodies this very philosophy, daring to create a skill-first,

outcome-based system that India urgently needs.

On this special day, let us reaffirm our collective resolve—to build institutions like RT-MSSU that don’t just educate, but empower; that don’t just teach skills, but shape character; and that don’t just prepare students for jobs, but prepare them for life.

Let this University be the living embodiment of Shri Ratan Tata’s ideals: humility, excellence, courage, and compassion.

On behalf of AICTE, I congratulate the leadership, faculty, students, and partners of RT-MSSU on this remarkable journey so far—and wish you greater heights in the years to come.

Let us build a skilled, strong, and self-reliant India—one decision, one skill, one young mind at a time.

Thank you.

Jai Hind.



INAUGURATION OF OPEN DAY

CIT

Bengaluru, Karnataka

April 20, 2025

Greetings to all!

Good morning to all of you.

It is indeed a pleasure to be here at Cambridge Institute of Technology, Bengaluru - a premier institute known for its academic excellence, vibrant innovation ecosystem, and strong industry linkages.

I would like to thank the management, faculty, and students of CIT for inviting me to inaugurate this "Open Day", an event that truly embodies the spirit of curiosity, creativity, and collaboration that is so essential in today's ever-evolving world of engineering and technology.

Today's Open Day is not just a celebration of academic projects or research outputs. It is a testament to how knowledge, when applied with purpose, can solve real-world problems. As I walked through some of the exhibits, I was thrilled to see innovations in aerospace, robotics, drones, additive manufacturing, automotive electronics, and, of course, Generative AI - technologies that are shaping the future of humanity.

At AICTE, we firmly believe that engineering is not just about learning concepts and passing exams - it is about applying those learnings to create societal impact. And

what I see here today at CIT is exactly that - students and faculty coming together to build, experiment, and innovate.

Ladies and gentlemen, we are living in a time of technological renaissance. From smart manufacturing to green mobility, from AI-powered learning to space exploration - India is taking giant strides, and our young engineers are at the forefront of this transformation.

But friends, what we see today - these inspiring student and faculty innovations - is just the beginning. There's still a long road ahead. We must constantly push the boundaries of what is possible, think beyond conventions, and take every possible step to transform India into a fully developed, technologically empowered nation.

In this transformative journey, Artificial Intelligence is poised to play a monumental role. Recognizing its importance, AICTE has declared the year 2025 as the 'Year of AI'. This is not just a symbolic move - it's a commitment to driving a nation-wide movement in AI education, research, and innovation.

We have outlined a strategic roadmap to support this mission:



- First, we are integrating AI not only as a standalone subject but embedding it into core engineering disciplines, management programs, and interdisciplinary areas.
- Second, we formed a National Expert Committee on AI with leading minds from academia, research, and industry, to guide its responsible and effective rollout.
- Third, we are organizing a flagship national event - the AI Mahakumbh - a confluence of innovators, educators, policymakers, and students to explore AI's limitless possibilities. This won't be just another conference - it will be a platform to think beyond the ordinary, to reimagine the future of India with AI at its core.

Let me be very honest here: AI is not just another trend - it is here to stay. As the Chairman of AICTE and someone from a deep-rooted technical background, I have witnessed the immense potential and the

exponential growth of AI applications. But alongside this excitement, there's also a sense of caution. The one thing I fear - and we must all be vigilant about - is the unethical use of AI.

This is why we must not rush. A blind race in AI can lead to long-term problems - from data misuse to algorithmic bias, from misinformation to the loss of human-centric values.

Instead, we need a step-by-step approach:

1. Integration - thoughtfully embedding AI into curricula and projects across institutions.
2. Educate and Train - equipping our faculty members with the right knowledge, tools, and ethical frameworks.
3. Empower Students - not just to use AI tools, but to understand their impact on society, governance, employment, and the human experience.

Our goal is to build a generation that doesn't just use AI, but shapes it with responsibility.

And that's where institutions like CIT play a vital role. You are the breeding ground of innovation, of ethical engineering practices, and of future leaders who will guide India's digital destiny. Let us walk this path of transformation together - with purpose, with ethics, and with a shared vision for a better, AI-powered India.

Events like today's Open Day play a crucial role in bridging the gap between academia, industry, and society. They ignite curiosity among young minds, they showcase talent to potential collaborators, and most importantly, they build confidence among students that their work matters.

I want to specially commend CIT for fostering this environment of innovation and collaboration. Your projects in aerospace,

GenAI, and automotive electronics, among others, are not only technologically advanced but also socially relevant. That is the kind of engineering mindset India needs.

To the students present here - you are the torchbearers of a new India. Dream big. Innovate fearlessly. And always remember - the purpose of engineering is not just to build machines, but to build a better world.

I once again thank the CIT family for this invitation and wish the Open Day a grand success. May this day inspire many more such initiatives and collaborations in the future.

Thank you.

Jai Hind.





Education Summit

BHES
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 **Mahindra**
University
Global Thinkers | Engaged Leaders

with
Quality
Assurance Cell
(QAC)

BHARAT HIGHER EDUCATION SUMMIT 2025

Mahindra University

Hyderabad

23rd April 2025

Namaskar!

Greetings to:

- Prof. (Dr.) Yajulu Medury, Chairperson, CIPU Southern India Regional Council and Vice Chancellor, Mahindra University, Hyderabad
- Prof. (Dr.) Gopal Pathak, Honorary President, CIPU and Vice Chancellor, Sarala Birla University, Ranchi
- Dr. Rahul V. Karad, Chief Patron, CIPU & Executive President, MIT-World Peace University
- Mr. Murali Bukkapatnam, Chairman, Global Board of Trustees, TiE and Founder & CEO, Volkys Technologies, Hyderabad
- Prof. (Dr.) G. K. Shirude, Hon. Vice President, CIPU and Vice Chancellor, Sri Balaji University, Pune (SBUP)
- Honourable dignitaries on the dais, respected Directors, academic leaders, policy-makers, innovators in education, students, and friends,

Good evening to you all!

It is an honour and a privilege to be here at the inaugural edition of the *Bharat Higher Education Summit 2025*, organized by the Confederation of Indian Private Universities (CIPU), and hosted at the vibrant and future-ready Mahindra University.

Let me begin by congratulating the organizers for choosing such a pertinent theme—“Building Next Generation Leaders in Higher Education.” It resonates deeply with the aspirations of our country, as we stand at the threshold of a transformative decade for Indian education.

I must take a moment to appreciate the exceptional role of our host—Mahindra University—an institution that truly exemplifies the ethos of what it means to develop Global Thinkers and Engaged Leaders. Mahindra University is not just another academic institution. It represents a bold and visionary educational philosophy—rooted in multidisciplinary learning, industry relevance, and a deep commitment to positive societal change.

In this era of rapid technological disruptions, climate change challenges,

socio-economic transformations, and shifting global dynamics, we can no longer afford to prepare students merely for jobs—they must be prepared to lead change. Our higher education institutions must become *nurseries of leadership*. We need not only scientists, engineers, artists, entrepreneurs—but also visionary leaders who are compassionate, ethically grounded, and globally competent.

True leadership in higher education is not confined to titles or roles. It is about *mindset*. The ability to question, to think critically, to collaborate across boundaries, and to create value for society—these are the skills we must instill in the next generation.

NEP 2020: A Blueprint for Leadership in Education

The National Education Policy 2020, under the visionary leadership of our Hon'ble Prime Minister and the Ministry of Education, has laid out a transformative roadmap. It aims to shift from rote learning to critical thinking, from silos to multidisciplinary integration, and from rigidity to flexibility and creativity.

Through initiatives like Multiple entry and exit, The Academic Bank of Credits, Skill-based education, Promotion of innovation, entrepreneurship, and research, Establishment of NIRF, NAAC reforms, and accreditation mechanisms, and integration of technology through platforms like SWAYAM, National Digital University, and AICTE's own initiatives like the NEAT portal and IDEA Labs, we are empowering institutions to become launchpads for future-ready leaders.

Leadership today is not about command and control—it is about collaboration

and co-creation. The most effective academic leaders are those who enable interdisciplinary convergence, embrace diversity, and promote a culture of experimentation.

At AICTE, we are actively promoting academic-industry linkages, international collaborations, and faculty capacity building, so that leadership is not limited to a few, but cultivated across every level of the institution.

Whether it's our virtual internships with industries, collaboration with global tech leaders, or promotion of women in STEM and Management education through PRAGATI and Saraswati scheme—our goal is to democratize leadership development.

I would like to specially acknowledge the role of private universities in India's higher education journey. Many of you are pioneering innovation in curriculum, pedagogy, research, and internationalization. You have the flexibility to adapt swiftly, pilot new ideas, and scale impactful models.

I urge you to continue investing in *faculty development, research ecosystems, industry-integrated programs, and global best practices*. At the same time, let us not forget our roots—the goal of education is nation-building and social transformation.

As we look ahead, it is time to redefine what success in higher education means. It is no longer about merely awarding degrees, but about enabling students to discover their purpose, passion, and potential.

We must move from “*What did you study?*” to “*What problem are you solving?*”

From “*What job do you want?*” to “*What change do you want to make?*”

Let me leave you with a few points of reflection for the summit deliberations:

1. How do we nurture ethical, empathetic, and entrepreneurial leaders?
2. How do we build resilient institutions that adapt to change, yet stay true to our Indian knowledge systems and cultural ethos?
3. How can technology—especially AI, data science, and digital platforms—serve as enablers rather than disruptors?
4. How do we prepare our educators to be mentors, not just instructors?

These are not challenges for one institution alone. They require a *coalition of the willing*—policymakers, regulators, private and public institutions, industry, and most importantly, the student community.

Friends, as we inaugurate this summit, let us reaffirm our shared commitment: To build a higher education system that is inclusive, innovative, globally relevant, yet deeply rooted in Indian values. Let us not only imagine the future—we must shape it. And that future begins here and now, with *every discussion, every collaboration, and every leader* we nurture.

Thank you once again for the invitation and the opportunity to be a part of this important initiative.

Let us rise together to build the next generation of leaders—for India, and for the world.

Jai Hind!





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PUNE INSTITUTE OF
BUSINESS MANAGEMENT

NBA & NAAC ACCREDITED PROGRAMS

Pune Institute of Business Management (PIBM)

Launch of “UDDIPAN” Portal

Pune, Maharashtra

25th April, 2025

Namaskar!

Greetings to:

- Shri. Sukanta Majumdar Ji, Hon'ble Union Minister of State for Education and Development of North Eastern Region, Government of India
- Shri. Chandrakant Dada Patil Ji, Higher and Technical Education Minister of Maharashtra
- Smt. Rupali Chakankar-Hon'ble Chairperson of Maharashtra State Commission for Women (MSCW) & State President of the NCP Women's Wing
- Shri. Iqbal Singh Lalpura Ji, Chairman of the National Commission for Minorities
- Respected guests, industry leaders, faculty members, dear students, and delegates from across the country,

It is truly a privilege to be here amidst such a distinguished gathering at this

prestigious platform - the *Uddipan National MSME Summit and Leadership Conclave*, organized by the Pune Institute of Business Management (PIBM), one of the leading lights in India's business education landscape.

At the outset, I congratulate the leadership of PIBM for their vision in organizing this summit which brings together key stakeholders from the micro, small, and medium enterprise sector, academia, government, and investment ecosystems under one roof. The scale and scope of this conclave - with its focus on leadership, investment, innovation, and skill-based collaborations - could not be more timely or more necessary.

We are gathered here today not merely to discuss the future of MSMEs - but to shape it.

Friends, with 63.4 million units spread across the country, the MSME sector contributes around 6.11% of the manufacturing GDP and 24.63% of the GDP from service activities. As on Dec 2024, 5.70 crore MSMEs, with an

employment of 24.14 crore are registered on Udyam Registration Portal and Udyam Assist Platform (UAP). In every city, every town, and even in the most remote parts of India — MSMEs are creating livelihoods, solving local challenges, and pushing the boundaries of what is possible. Whether it is in manufacturing, services, textiles, food processing, digital commerce, or green technology — MSMEs are our innovation warriors.

However, to fully unlock their potential, MSMEs need an ecosystem that supports them with the right policy frameworks, financial tools, access to talent, and most importantly, knowledge — the kind of knowledge that comes from collaboration and skill-building.

And that is precisely what this summit aims to deliver.

AICTE's Vision: Skilling India for MSME Empowerment

As the Chairman of the All India Council for

Technical Education (AICTE), I can proudly say that one of our top priorities has been to align technical education with the real needs of the economy — particularly in sectors like MSME where applied skills, innovation, and entrepreneurial mindset are critical.

AICTE has launched a number of programs and initiatives in recent years aimed at this alignment:

- **Lakshya Portal** - developed in partnership with PIBM and showcased today — is a flagship platform that provides access to over **1 million skilled graduates** from AICTE-approved institutions. It enables **seamless industry-academia collaboration**, bridging the gap between talent and opportunity.
- **Integration of Entrepreneurship & Innovation in curricula**, to encourage students to pursue entrepreneurial ventures — not just jobs, but job creation.





- **AICTE Internship Portal**, offering over 2 crore internship opportunities so far, many of them tailored for MSME collaboration, so that students gain hands-on, grassroots experience.
- **National Educational Alliance for Technology (NEAT)**, where AI-powered EdTech tools are made accessible to students across socio-economic backgrounds.
- Our focus on **outcome-based education, blended learning, and national mentoring schemes** all aim to prepare youth for a dynamic, digital-first, innovation-driven economy — the kind of environment where MSMEs thrive.

Let me take a moment to appreciate PIBM's commitment to developing business

leaders who are industry-ready from day one.

I have been particularly impressed by the PIBM model, which goes beyond traditional classroom learning. Through its Global Management Program with Lawrence Technological University, it brings an international perspective and practical, hands-on learning to students in India. The emphasis on Bloomberg Terminals, SAP, Python, Six Sigma, HR Analytics, Digital Marketing Tools, and many other certifications reflects the institution's forward-thinking pedagogy.

PIBM's strong corporate connect — with 700+ corporate leaders, 100+ corporate panelists, and an alumni base of over 7500 professionals — proves that quality speaks for itself. It is not only educating; it is empowering. It is not just preparing

students to join companies; it is preparing them to lead.

This approach should serve as an inspiration for many institutions in India that aim to build the future workforce of our nation.

Today's launch of the Uddipan Portal is a proud moment for all of us.

This portal has the potential to become a national gateway — enabling startups, MSMEs, incubators, investors, and academia to find each other, collaborate, and co-create. It will provide access to funding avenues, policy support, knowledge sharing, and mentorship - all under one digital roof.

By integrating AICTE's [®]fccdLakshya database into this portal, we are giving MSMEs access to India's vast youth capital. This is a digital bridge between opportunity and aspiration.

In a world that's rapidly digitizing, such platforms ensure that our small businesses are not left behind. They too must ride the wave of Digital India, Industry 4.0, and AI transformation — and this is how we make that possible.

The theme of this summit deeply resonates with the vision of an *Atmanirbhar Bharat* — a self-reliant India that is globally competitive, locally rooted, and youth-driven.

But for this vision to be realized, we must do the following:

1. **Reimagine Academia-Industry Linkages:** Institutions must become living laboratories, where students and entrepreneurs work side-by-side to solve real-world problems.
2. **Invest in MSME Technology & Digitization:** India's MSMEs must

adopt emerging technologies like AI, IoT, blockchain, and green energy solutions. This summit's sessions on Industry 4.0, digital compliance, and IPO-readiness are steps in the right direction.

3. **Foster Youth Entrepreneurship:** We must inspire students not just to seek jobs, but to build companies, especially in Tier 2 and Tier 3 cities. AICTE's IDEA Labs, Hackathons, and Smart India Challenges are geared towards this.
4. **Empower Women and Marginalized Communities:** Entrepreneurship is a tool of social mobility. Let us ensure that women-led MSMEs, tribal startups, and rural innovators are part of the mainstream growth story.

As we move forward, let us remember that **India's greatest resource is its youth, and its greatest strength is its diversity of enterprise.**

The convergence of both — through forums like Uddipan, initiatives like the Lakshya portal, and the commitment of institutions like PIBM — will chart the course for India's next economic revolution.

Let us collaborate, innovate, and accelerate.

Let us build not just enterprises, but ecosystems.

Let us empower not just MSMEs, but millions of dreams behind them.

Thank you once again for having me here. My best wishes to all the participants, students, educators, and entrepreneurs gathered today. Let us rise together.

Jai Hind. Jai MSME. Jai Innovation.

DIAT RAISING DAY

Defence Institute of Advanced Technology (DIAT)

Pune, Maharashtra

09 May 2025

Namaskar!

Greetings to:

- Dr. B.H.V.S. Narayana Murthy, Vice Chancellor, Defence Institute of Advanced Technology
- Respected dignitaries, officers of the armed forces, esteemed faculty members, distinguished guests, dear students, and the entire DIAT family,

Good morning to all of you.

It is truly difficult for me to find the right words to express the immense pride, honour, and deep sense of patriotism I feel as I stand before you today at the prestigious Defence Institute of Advanced Technology (DIAT) — a beacon of national service, scientific excellence, and unwavering dedication to strengthening India's defence capabilities.



This institution, nurtured through decades of vision and commitment, stands tall as a symbol of India's resolve to become atmanirbhar — self-reliant — in protecting her sovereignty through cutting-edge defence technology. DIAT does not just teach defence; it inculcates a spirit of service, discipline, and duty in every student, researcher, and faculty member who walks its corridors.

India today stands at a pivotal point in history. With strategic foresight and unwavering national resolve, we have emerged as a global leader in the development of cutting-edge defence technologies. Whether it is in indigenous missile systems, cyber defence, AI-driven surveillance, or advanced warfare platforms, India's defence sector is writing a new story of innovation and resilience.

We are not merely consumers of foreign technology anymore — we are creators and exporters. The success of platforms like Tejas, INS Vikrant, Akash missile systems, and the ongoing progress in unmanned systems, quantum defence, and space-based surveillance showcases the strength of our scientific ecosystem and the strategic vision of our leadership.

India today is not just a rising power — India is a resolute power. In a world rife with uncertainties and shifting geopolitical equations, our commitment to safeguarding our national interests is steadfast. Our nation has shown the world that we are a peace-loving country — but when provoked, we respond with precision, with pride, and with strength.

We are witnessing one such proud moment today. The recent bold and precise action by our armed forces in striking terror camps across the border in PoK has once again demonstrated that India does not compromise on its sovereignty. These actions are not just military maneuvers;

they are a declaration of India's strength and intent — that we will never allow terror to breed on our doorstep.

This spirit — the spirit to protect, to innovate, to stand tall — echoes in every corner of this great campus. DIAT is not just preparing engineers — it is preparing guardians of our national interest.

Let us remember: wars are not fought by soldiers alone. Wars are won by nations — by scientists, technologists, academicians, and innovators. Every invention in a lab, every research paper on ballistics, every simulation in quantum defence — all of it contributes to India's security.

DIAT's role in nurturing minds capable of solving the complex challenges of national defence is unparalleled. You are not only addressing today's defence needs but also preparing for tomorrow's battles — battles that will be fought with data, AI, quantum computing, robotics, and cyber precision.

I am particularly pleased to see how DIAT integrates theoretical knowledge with field-ready application. Your strong linkages with DRDO, Armed Forces, and leading research labs show how academia and national service can be seamlessly fused.

And here, at DIAT, you are not just studying — you are contributing to the national mission. The students, researchers, and faculty members here are the invisible warriors working behind the scenes — developing indigenous missiles, secure communication systems, cyber defence frameworks, UAVs, and AI-powered surveillance tools — that strengthen the hand of the jawan at the border.

This is your battlefield — and you are winning battles every day, through knowledge, innovation, and dedication.

To each of you enrolled at DIAT — let me say this with pride: you are the chosen

ones. You have chosen a path of purpose and patriotism. What you are learning here is not just for personal growth — it is for national service. Your knowledge will someday save lives, protect borders, and uphold the dignity of this great nation.

Let that thought inspire every project you work on. Let it guide every late night in the lab. Let it be the reason behind every formula, every calculation, every test.

And to the faculty — I commend you for mentoring these bright young minds with dedication. Your role is no less than that of a commander preparing warriors for tomorrow's challenges.

As Chairman of the All India Council for Technical Education, I assure you that AICTE remains fully committed to supporting such forward-thinking institutions. The recently approved M.Tech programmes in Defence Technology and Industrial Systems Engineering for working professionals is a reflection of our shared vision — to make India a global hub of defence innovation.

Our goal is clear — India must lead, not follow. And institutions like DIAT are the flagbearers of that mission.

As we celebrate DIAT's Raising Day, let us reflect on its journey — a journey filled with

milestones that have directly contributed to our national strength. But more importantly, let us look to the future with resolve. Let us pledge to keep serving the nation with excellence, courage, and commitment.

To the young scholars and professionals present here: you are the future of India's strategic might. Always remember that engineering is not just about learning formulas or writing exams. It is about using knowledge to solve real-world challenges — to protect, defend, and build the India of the future.

The nation needs your passion, your intellect, and your sense of duty. As you walk through the corridors of DIAT, let every step you take be guided by the ideals of innovation, integrity, and service to the motherland.

India's destiny lies in your minds and hands. You are not just building machines — you are building the security architecture of a billion dreams.

Once again, I congratulate the entire DIAT fraternity on your Raising Day. May you continue to rise higher, inspire deeper, and serve the nation with even greater zeal.

Jai Hind!

Vande Mataram! Bharat Mata ki Jai!





St. Joseph's Group of Institutions

Tamil Nadu

10 May 2025

Namaskar!

Greetings to:

- Chairman Dr. B. Babu Manoharan
- Members of the Governing Body, Director, Principal
- esteemed faculty members,
- proud parents, and most importantly, the graduating students of St. Joseph's Group of Institutions

I am truly delighted to be here with all of you today on this momentous occasion—your Graduation Day. It is a day of celebration, reflection, and hope. This milestone marks not just the culmination of years filled with hard work, sleepless nights, challenging assignments, and rigorous examinations, but more importantly, it signifies the beginning of a new chapter in your lives. It is a gateway to a world full of opportunities, responsibilities, and possibilities waiting to be explored.

Let me begin by wholeheartedly congratulating each one of you on achieving this significant milestone. Today, you are not

just students—you are graduates, equipped with knowledge, skills, and a readiness to face the world. You are now prepared to explore, to learn beyond classrooms, and to discover new horizons where you can make a meaningful impact.

My dear young friends, as you step forward into this world, I urge you to pause and reflect on a profound truth—that we are indeed fortunate to be born and brought up in India, a nation with immense potential, rich heritage, and a bright future. We live in a country that continues to strive and deliver its best across every sector—be it technology, science, education, innovation, health, or diplomacy. We must take pride in our roots and recognize the strength of our nation.

India, today, is not what it was a decade ago. It has emerged as a global leader, a country that commands attention and respect on the world stage. We are in an era where India is being seen not just as a developing nation, but as a driving force for global growth. This transformation is not by chance—it is the result of years of vision, commitment, resilience, and the tireless

efforts of countless individuals, leaders, scientists, educators, entrepreneurs, and youth like you.

Our diplomatic relations are stronger than ever before, enabling India to navigate global challenges with wisdom and strength. Be it international trade, technology collaborations, or peace efforts—India's voice is being heard and valued. The world now looks to India as a partner, a problem-solver, and a source of innovation.

In such a time, it becomes our moral and national responsibility to honour this position, to respect the dignity and integrity of our country, and to contribute meaningfully to its continued rise. Let us be ambassadors of this India—through our conduct, our work, and our aspirations.

You are graduating at a time when India is at the cusp of greatness, and you have

a golden opportunity to be a part of this journey. Make the most of it. Be proud of who you are, where you come from, and what you can become. Carry forward the values of honesty, humility, and dedication. And always remember—your success is not just your own, but a contribution to the nation's progress.

Graduation is not the conclusion of your educational journey—it is the beginning of a lifelong commitment to learning, evolving, and growing. In today's world, where technology is advancing at lightning speed, where industries are constantly being reshaped, and where global challenges require innovative and sustainable solutions, education cannot end within the four walls of a classroom. The real journey of learning begins now—as you step out not just as graduates, but as professionals, problem-solvers, innovators, and responsible citizens of the world.





At the All India Council for Technical Education (AICTE), we believe education is not merely about acquiring degrees or accumulating information. It is about transformation—of the mind, of values, and of society. True education nurtures your ability to think critically, question assumptions, explore beyond boundaries, and most importantly, to serve society with humility, empathy, and integrity.

As engineers, technologists, and future leaders, I urge you to remember one essential truth—engineering is not just about passing exams or building machines; it is about applying your knowledge to solve real-world problems, to uplift communities, and to make the world a better, more equitable place. The solutions you build must be driven not just by efficiency, but by compassion. The technologies you design must be not only cutting-edge but inclusive and accessible. The ideas you pursue must aim to empower the underserved, bridge divides, and address challenges that truly matter.

We are fortunate to be living in a time when India is undergoing a significant transformation in its approach to education. The National Education Policy 2020 (NEP) has opened exciting new possibilities. With its emphasis on flexibility, multidisciplinary learning, multiple entry and exit options, and a strong focus on entrepreneurship, innovation, and digital empowerment, the NEP is equipping you not just for jobs—but for life. It encourages you to become creators, not just consumers; leaders, not just employees.

You are part of this new generation—a generation of changemakers. You are not just preparing to work in industries—you are shaping them. You are not just entering the future—you are helping build it.

At AICTE, we are proud to be your partners on this journey. Through our numerous initiatives—whether it is providing virtual internships, supporting student start-ups, promoting skill development, or fostering industry-academia collaborations—we are committed to empowering you beyond

graduation. These opportunities are designed to equip you with real-world exposure and the mindset required for continuous growth.

So, as you leave the gates of your institution, carry with you the hunger to learn more, the humility to listen, and the courage to act. Remember that in the 21st century, success will not be defined by what you know, but by how quickly you can learn, unlearn, and relearn.

Let your learning never stop. Let your contributions always reflect purpose. And let your journey from this day forward be one of meaning, innovation, and service to humanity.

Dear graduates, the nation is counting on you—not just for your knowledge, but for

your integrity, compassion, and courage. Let your success be defined not by what you earn, but by the problems you solve and the lives you uplift.

Let me conclude with a quote by Dr. A.P.J. Abdul Kalam, a source of inspiration for all of us:

“Dream, dream, dream. Dreams transform into thoughts and thoughts result in action.”

Let your dreams be big. Let your actions be bold. And let your journey be bright.

Congratulations once again. Wishing you all a future filled with purpose, success, and service.

Jai Hind.



L&T Technology Services

Bengaluru, Karnataka

16th May, 2025

Namaskar!

Warm greetings to all!

It is a matter of immense pride and privilege for me to be here today at the grand finale of the 8th Edition of TECHgium®—L&T Technology Services' flagship open innovation challenge. I would like to express my deepest appreciation to L&T Technology Services for not only organizing such a remarkable competition but also for continuously nurturing young engineering talent across the country.

At the outset, let me congratulate all the students, mentors, institutions, and stakeholders who have played a role in making TECHgium the inspiring platform that it is today.

TECHgium - A Transformational Journey for India's Young Innovators

TECHgium is more than a competition—it is a movement. Since its inception in 2017, this initiative has grown in both scale and impact, running in parallel with national programs

such as the Smart India Hackathon. With more than 600 colleges and over 37,000 students participating this year alone, the numbers speak for themselves. They reflect a robust culture of innovation that is taking root in our academic institutions, thanks to enablers like L&T Technology Services.

What distinguishes TECHgium is its immersive, six-month journey—where students engage deeply with real-world problem statements sourced from industry. They not only ideate but develop Proof-of-Concepts, design prototypes, and fine-tune their solutions with guidance from domain experts. This process mirrors what the industry expects of future engineers, and it prepares them not just for jobs—but for leadership in innovation.

This year's themes—Mobility, Sustainability, and Emerging Technologies like AI, MedTech, Renewable Energy, Electric Vehicles, and Telecommunications—are highly relevant. These are sectors where India must not just catch up but lead. And I am proud that our students are showing such potential to contribute meaningfully.

L&T's Role in Shaping India's Industrial and Technological Landscape

Let us take a moment to reflect on the profound impact of L&T. Larsen & Toubro has long been a pillar of India's industrial development. From heavy engineering and infrastructure to cutting-edge technology and defense, L&T has consistently played a pivotal role in building the nation.

L&T Technology Services, in particular, has become a global leader in engineering R&D services. Its strong presence in domains such as digital engineering, sustainability, smart manufacturing, and intelligent systems places it at the forefront of the technological transformation India is undergoing.

But what truly makes L&T exceptional is its commitment to developing India's next

generation of innovators. Initiatives like TECHgium are testament to L&T's belief in giving back to society by shaping capable, confident, and future-ready engineers. In doing so, L&T is not just building physical infrastructure—it is building intellectual infrastructure, which is far more enduring.

By providing a national platform for innovation, mentoring support from experienced professionals, and even recruitment opportunities, L&T is playing a strategic role in bridging the industry-academia gap and accelerating India's transition into a knowledge economy.

AICTE: Catalyzing Innovation and Entrepreneurship in Higher Education

At AICTE, our mission aligns closely with the spirit of TECHgium. We are



striving to transform higher education in India into a springboard for innovation, entrepreneurship, and societal impact.

Over the past few years, we have launched several initiatives to create an innovation ecosystem across our technical institutions:

- **Smart India Hackathon (SIH):** One of the largest open innovation platforms in the world, enabling students to solve real-life challenges posed by government bodies, industries.
- **YUKTI and YUKTI Innovation Repository:** A structured platform where students and faculty can register their innovations, receive mentoring, and explore funding and incubation.
- **AICTE IDEA Labs:** These labs promote design thinking and hands-on learning through infrastructure and mentorship, enabling students to move from theory to practice.
- **Productization Fellowship (APF):** Launched very recently, this unique fellowship provides up to ₹37,000 per month to student innovators working on Proof-of-Concepts, along with a ₹50,000 contingency grant to scale their ideas toward commercialization.

All these efforts are directed towards a singular goal—to shift the focus from *rote learning to real learning*, from *marksheets to mindsets*, and from *employment to entrepreneurship*.

Our vision is to build an India where students emerge not just as degree holders, but as problem solvers, innovators, and nation builders.

To the Students – You Are the Torchbearers of a New India

To all the finalist teams here today, let me say this: you have already won in many ways. You have dared to take on challenges, collaborated with your peers, and navigated uncertainty to create solutions that can make a real difference. That mindset is what defines an innovator.

The prototypes you have built are not just projects—they are possibilities. They represent India’s aspirations, and they demonstrate that young minds are ready to lead the way.





I encourage each of you to continue on this path. Some of you may become entrepreneurs. Some may join large tech companies or research labs. Whatever your path, never stop asking, “What problem can I solve next?” Because innovation is not a destination—it’s a habit.

A Note of Appreciation and Looking Ahead

I would like to extend my heartfelt appreciation to the organizing team of TECHgium, to the mentors and evaluators who spent hours guiding the student teams, and to the institutions that actively supported their students throughout this journey.

I must also commend L&T Technology Services for creating a culture of *open innovation*, where young minds are welcomed, heard, and empowered. Your

leadership sets a powerful example for other industries to emulate.

I am confident that this platform will continue to grow and evolve, unlocking more potential from the youth of this country. Together, with the support of government, academia, and industry, we can transform India into a global innovation powerhouse.

Let us remember—India’s greatest resource is not its minerals or machines, but its youth. With platforms like TECHgium and initiatives by AICTE, we are giving that youth a chance to rise, to lead, and to build.

Once again, my heartfelt congratulations to all the winners and participants.

Keep innovating, keep creating, and keep building for Bharat.

Thank you. Jai Hind.

GRADUATION DAY

Sri Eshwar College of Engineering

Coimbatore, Tamil Nadu

17 May, 2025

Namaskar!

Good morning to all,

It gives me immense pleasure to be here at the Graduation Day Ceremony of Sri Eshwar College of Engineering — one of Tamil Nadu's most vibrant institutions that has made significant strides in technical education since its establishment in 2008.

Let me begin by extending my heartfelt congratulations to the management, Principal, faculty members, proud parents, and, most importantly, the graduating students of the Class of 2024. Today marks the culmination of years of relentless effort, discipline, and growth. It is a milestone that not only celebrates your academic achievements but also opens the door to a future filled with promise and potential.

I must also express my appreciation for the dynamic progress this institution has made in a short span of time. Sri Eshwar College is setting the right example of what 21st-century technical education should look like.

As the Chairman of AICTE, I am particularly proud to note the accomplishments of this institution in the three areas

that define future-ready institutions — *Entrepreneurship, Innovation, and Intellectual Property.*

Your in-house startup accelerator, **IGNITE**, is a testament to your commitment to cultivating entrepreneurial minds. The fact that 16 startups have already been registered this year under student leadership demonstrates that you are not just educating job seekers, but nurturing job creators. This aligns beautifully with AICTE's vision under the National Innovation and Startup Policy (NISP) to foster an entrepreneurial ecosystem within educational institutions.

Your AICTE ATAL IDEA Lab, supported by ₹90 lakh in combined funding, is another shining example. These labs are not mere infrastructure projects — they are catalysts for transformation, offering students the tools and environment to explore ideas, design prototypes, and translate imagination into reality.

Moreover, with a **3.5-star rating from the Institution's Innovation Council (IIC)** and accolades in national competitions like Smart India Hackathon (SIH), ICPC, and

Analog Devices contests, your students are demonstrating their prowess on prestigious platforms. These aren't just competitions — they are reflections of the mindset of your students: to challenge, to solve, and to create.

And finally, your success in the realm of patents — **729 filed, 695 published, and 34 granted** — is a rare feat for an institution of your age. This clearly shows your emphasis on research and innovation. I urge you to continue fostering this culture — for it is these innovations that can solve India's problems, and the world's too.

I am very happy to inform you that AICTE has announced a very attractive scholarship program for the young innovators. The **AICTE Productization Fellowship** is a visionary initiative aimed at transforming innovative ideas from students and faculty into market-ready products. Recognizing that many groundbreaking solutions often remain confined to laboratories or project reports, this fellowship provides crucial support in bridging the gap between *proof of concept* and *commercial viability*. It offers selected innovators with financial assistance, mentorship, industry linkages, and access to prototyping facilities. By fostering a culture of entrepreneurship and product development within academic institutions, the fellowship aligns with AICTE's broader mission of nurturing job creators and accelerating India's journey towards a knowledge-driven innovation economy.

Dear graduates,

As you step forward beyond these academic corridors, I want you to remember that engineering is not just about writing exams and clearing semesters. It is, at its core, the art of applying knowledge to transform society.

You now hold in your hands not just a degree, but a responsibility — to build, to design, to innovate, and to uplift. Whether you choose to work in industry, pursue higher studies, enter public service, or launch your own venture — remember, the essence of engineering lies in solving real-world problems.

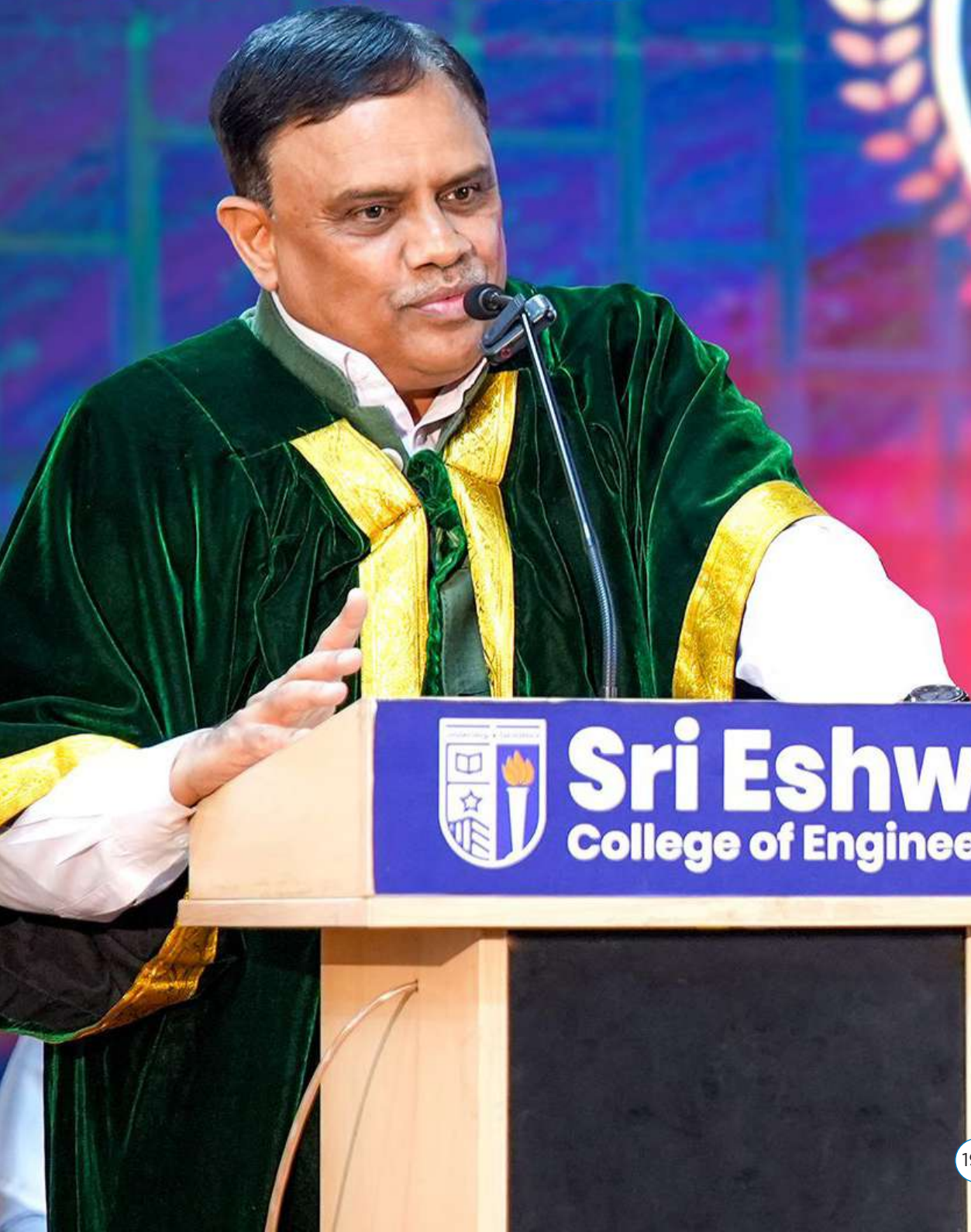
We live in a time when India is witnessing a tectonic shift. The world's fastest-growing economy, a digital-first society, and a global hub of talent — we are all part of a rising nation. You are graduating in an era defined by **Industry 4.0**, AI, 5G, space technology, clean energy, and sustainable infrastructure. The choices you make and the paths you follow will have a direct impact not just on your own future, but on the destiny of our country.

Ask yourselves: How can I use my skills to address climate change? How can I contribute to making healthcare accessible to remote areas? How can I use AI for agriculture or improve education through technology? *Think beyond your jobs. Think beyond your paychecks. Think about your purpose.*

In this rapidly evolving world, where technology changes overnight, your real asset will not be just what you know, but your ability to *learn, unlearn, and relearn*. AICTE is working relentlessly to introduce flexibility in education through initiatives like the **Academic Bank of Credits, multiple entry-exit options**, and a **focus on multidisciplinary learning** as per the **National Education Policy 2020**. Make the most of these frameworks if you pursue higher education.

But remember — skills and degrees will take you far, but your *character* will take you further.

Sri Eshwar
College of Engineering
Chemburam | Tamil Nadu



Sri Eshwar
College of Engineering

Stay rooted in values — honesty, empathy, and humility. Keep a learner’s mindset. Respect your teachers, stay grateful to your parents, and uplift others when you rise. Every innovation that lacks ethics is incomplete. Every success that doesn’t touch lives is hollow.

Graduates, you are not the future of India — *you are the present*. And India needs you — not just in numbers, but in quality, in integrity, in courage, and in vision.

Before I conclude, let me leave you with a message:

- **Don’t just chase success — pursue significance.**
- **Don’t just build careers — build communities.**
- **Don’t just aim to be the best in the world — strive to be the best for the world.**

Sri Eshwar College has prepared you well, and I am confident that you will carry forward its legacy wherever you go. Stay connected to your institution, be mentors to juniors, and become ambassadors of innovation.

As you receive your degrees today, know that a nation of 1.4 billion people is silently hoping that you will build the roads they drive on, the machines that heal them, the software that connects them, and the solutions that empower them.

Congratulations once again to each one of you. May your journey be guided by purpose, powered by knowledge, and driven by compassion.

Jai Hind.

Thank you.



ICFAI Foundation for Higher Education (IFHE) University

Conference on “Transformative Reforms in Higher Education: Best Practices in Implementation of NEP 2020”

Hyderabad

12 June 2025

Namaskar!

Greetings to:

- L. S. Ganesh, Vice Chancellor of IFHE
- Distinguished faculty, policy leaders, researchers, students, and friends in education,

It is both a privilege and a pleasure to be among such a distinguished gathering of scholars and institutional leaders at the ICFAI Foundation for Higher Education, Hyderabad—a university that has consistently promoted academic excellence, autonomy, and innovation.

We are gathered here today to reflect deeply on the implementation of National

Education Policy 2020—a watershed reform in India’s educational landscape, and to deliberate on *best practices* that can guide our institutions in making these reforms not just aspirational but operational realities.

NEP 2020: A Transformative Vision

The National Education Policy 2020 is not merely a reform document—it is a vision document for India’s future. For the first time in over three decades, the education policy has been revisited not just to reform, but to reimagine. It emphasizes access, equity, quality, affordability, and

accountability, and aims to position India as a global knowledge superpower.

NEP 2020 emerged as a long-overdue and much-needed reform. The policy calls for a paradigm shift—from rote-based learning to experiential and conceptual learning; from rigid disciplinary silos to multidisciplinary and holistic education; from fragmented governance to integrated and transparent governance.

The central themes—*flexibility, lifelong learning, learner-centricity, and multilingualism*—are designed to prepare our youth for the 21st-century global economy, while grounding them in Indian values and ethos.

This year marks the fifth anniversary of NEP. Since its launch in 2020, the National Education Policy (NEP) has driven significant transformations in both school and higher education. Four years into its implementation, key milestones highlight India's progress toward a more inclusive, flexible, and tech-driven education system.

- Promoting multilingualism, traditional Indian knowledge-rootedness in Indian ethos: NEP has emphasized linguistic inclusivity by enabling AICTE-approved engineering and management courses in regional languages. National-level entrance exams such as JEE and NEET are now conducted in 13 languages. This is enhancing accessibility for students from diverse linguistic backgrounds.
- The digital and multimodal learning initiatives such as PM

e-VIDYA and DIKSHA have furthered educational equity. This offers students universal access to digital content and interactive learning resources.

- Multidisciplinary: No rigid separation between science/ humanities/ commerce streams—students can study any combination of subjects. Undergraduate education will be multidisciplinary. The growth of large multidisciplinary centers facilitates flexibility of learning.
- Multiple entry-exit allowed—students can leave studies and join back as per convenience, they will get appropriate certification
- Academic Bank of Credit—credits earned in one institution can be carried over and counted at another institution. Over 2.38 crore students now have Academic Bank of Credit (ABC) accounts, ensuring seamless credit transfers.
- Revamping courses, pedagogy, assessment for more holistic development—development of critical thinking, confident individuals.
- Setting up the National Research Foundation- improved research ecosystem.
- First time ever in India, a National Higher Education Qualification Framework was released. It is an instrument for development, classification and recognition of qualification from level 4.5 to 8 (1st year UG to Doctoral programme).

- National Educational Technology Forum—integration of technology will make the education ecosystem more efficient.
 - Internationalization: India to become global hub education—campuses of Indian institutions abroad, foreign institutions in India, more academic collaboration.
 - These reforms mark a steady step toward achieving NEP’s vision of a holistic, inclusive, and technology-integrated education system. However, continuous efforts in implementation and adaptation will be crucial to realizing its full impact across all levels of learning.
- a. 10,578+ HEIs and 79,000+ companies registered on AICTE Internship Portal.
 - b. Around 1.97 Crore students registered on AICTE Internship Portal.
 - c. 35,000 institutes have signed MoU with industries for internships, placements, etc.
 - d. 77,31,341+ internships offered through AICTE Internship Portal.

3. Emphasis on Research and development:

- a. The Anusandhan National Research Foundation (ANRF), established under the ANRF Act 2023, strengthens NEP 2020’s focus on research and innovation in India’s higher education ecosystem. ANRF aims to promote R&D and foster a research culture across HEIs, research institutions, and R&D labs.
- b. Publications in Engineering increased significantly from 29,738 in 2014 to 74,613 in 2024, marking a 150.9% rise.
- c. Patent filings rose by 55.4%, from 42,763 in 2014-15 to 66,487 in 2021-22, reflecting a growing innovation mindset.
- d. The One Nation One Subscription (ONOS) scheme, approved in November 2024, gives 6,300+ government HEIs and R&D bodies access to 13,000+ e-journals,

Let’s understand the Implementation Milestones of NEP 2020.

1. With the introduction of NEP, the direct impact is seen in the student enrolment: The Student Enrolment has surged—reaching 4.46 crore in 2022-23, with female enrolment in STEM surpassing 43.4%, one of the highest in the world.
2. The National Education Policy (NEP) 2020 envisions a transformative shift in higher education by fostering stronger industry-academia collaboration to enhance student employability and innovation. Aligned with this vision, AICTE has taken significant strides to bridge the gap between education and industry.

with a ₹6,000 crore allocation for 2025–2027.

- e. Centers of Excellence in AI have been established for domain-specific interdisciplinary research with industry collaboration:
 - Health – AIIMS Delhi
 - Agriculture – IIT Ropar
 - Sustainable Cities – IIT Kanpur
 - Education – To be set up (Budget 2025–26)
 - f. Around 2,500 HEIs and 300 universities have set up R&D cells, promoting a structured approach to research and innovation on campuses.
4. Digital learning, a key pillar of NEP 2020’s vision for flexible and accessible education, has seen remarkable growth.
- a. The SWAYAM platform has emerged as a leading choice for students and institutions, offering 14,750 online courses across disciplines.
 - b. Over 373 universities have integrated SWAYAM courses into their academic offerings, enhancing blended and lifelong learning.
 - c. Online and Open Distance Learning (ODL) is flourishing, with over 5.1 crore total enrolments, reflecting widespread adoption.
 - d. 102 Higher Education Institutions are currently offering 544

full-fledged online degree programmes, expanding the reach of quality education.

- e. 40 DTH TV channels are broadcasting educational content 24/7, ensuring inclusive access even in regions with limited internet connectivity.
5. Promoting Innovation and Entrepreneurship:
- a. To develop a culture of research and innovation in Indian HEIs, Research & Development Cell (RDC) and Institutions’ Innovation Councils (IIC) in HEIs are being established.
 - b. 15,583 IICs have been set up in 28 States & 8 UTs
 - c. 501 IDEA labs have been set up.
 - d. Smart India Hackathon (SIH): World’s biggest Hackathon and largest ‘Open Innovation’ model has seen the participation of 365 organisations, 8127 institutions with more than 15 lakh students since 2017.
 - e. International Hackathons: Furthering India’s diplomatic engagement, many international hackathons have been conducted like India-Singapore, India-ASEAN and UNESCO India-Africa Hackathon. More than 600 innovators from 22 countries have participated in 2022 edition of UNESCO India- Africa Hackathon
6. Popularizing Indian Knowledge System (IKS)

- a. 53 IKS centres have been set up for catalysing original research, education and dissemination related to Indian languages and Indian Knowledge System
 - b. 38 IKS courses across subjects like mathematics, astronomy, aesthetics, logic, health, and management have been offered in 12 institutions.
 - c. Around 5527 internships on IKS have been offered
 - d. Over 8,000 HEIs are adopting IKS in their curriculum, with 1.5 lakh books being digitized.
 - e. National Digital Repository of IKS to be set up for knowledge sharing, as announced in the 2025-26 budget
7. Multilingualism in Education
- a. In accordance with NEP-2020, study material is being provided in mother tongue/local language for various courses
 - b. Engineering, Medical, Law, UG, PG and skill books are translated through Anuvadini App developed by AICTE and are available on e-Kumbh portal.
 - c. 41 engineering courses offered in 8 regional languages across 10 states.
 - d. Bharatiya Bhasha Pustak Scheme, announced in Budget 2025-26 will provide digital Indian language books for school and higher education to aid student understanding.

Institutional Best Practices: Guiding the Reform Journey

Your conference theme rightly focuses on “Transformative Reforms through Best Practices”. Implementation of NEP is not a uniform process—it is context-sensitive, and institutions must evolve locally relevant yet nationally aligned practices.

Some of the emerging best practices include:

- Establishing multidisciplinary clusters and MERUs (Model Multidisciplinary Education and Research Universities).
- Creating flexible entry-exit structures aligned with NCrF and NHEQF.
- Introducing Apprenticeship Embedded Degree Programs.
- Leveraging digital tools like SAMARTH ERP, Anuvadini for regional language translations, and NETF for tech integration in governance.
- Promoting Indian Knowledge Systems (IKS) by embedding ancient wisdom into modern curricula.
- Enabling faculty development under Malaviya Mission with over 2.2 lakh teachers trained since 2023.

It is crucial that we not only showcase these practices but also document, evaluate, and replicate them across our ecosystem.

As we stand on the cusp of transformation, the role of academic leadership becomes pivotal. Institutional heads are not just administrators—they are change-makers, culture-creators, and vision-drivers.

This is a time for collaboration—not competition.

- Universities must mentor colleges.
- Experienced faculty must train the next generation of educators.
- Research should be collaborative across disciplines, institutions, and borders.

Accelerating the NEP Mandate by focusing on:

- Enhancing capacity of institutions to internalize reforms.
- Building robust digital infrastructure for teaching, governance, and research.
- Encouraging student mobility and credit accumulation with ABC and NCrF.
- Making vocational education mainstream through integration at every level.
- Uplifting socio-economically disadvantaged groups with targeted scholarships, inclusion policies, and localized curriculum delivery.

The success of NEP 2020 will be measured not just by the number of policies adopted but by the impact it creates on students, especially the first-generation learners, the rural girl child, the aspiring researcher, and the entrepreneur in the making.

Friends, NEP 2020 gives us a compass, but it is our collective conscience and conviction that will determine the destination. Let us remember, education is not just about employability—it is about enlightenment. It is not just about output—it is about outcomes. And it is not just about systems—but about students, whose future is in our hands.

I thank the ICFAI Foundation for providing a platform for such a rich exchange of ideas. I urge every participant to return to their institutions not only inspired—but equipped to become torchbearers of transformation.

Let us pledge to make our campuses more inclusive, multidisciplinary, research-driven, and globally competent, while being rooted in Indian values.

Together, we shall realize the true spirit of NEP 2020—an education system that is not only the best in the world, but also the best for the world.

Thank you.

Jai Hind.

INAUGURATION OF MBA BATCH 2025-2027

Sri Balaji University

Pune, Maharashtra

18th June 2025

Namaskar!

Greetings to:

- Prof. Parmanandhan Balasubramnian, Chancellor, Sri Balaji University, Pune
- Prof. G.K.Shirude, Vice-Chancellor, Sri Balaji University, Pune
- Mr. Hari Thalapalli, CEO, Call Health & Hon'ble Member of Governing Body
- Dr. Yasho Verma, Business and Strategy Consultant, Hon'ble Member of Governing Body
- Shri Anil Swaroop, Former Secretary, Government of India, Founder, Chairman, Nexus of Good
- Members of the Board, Esteemed Faculty, Industry Guests, Parents, and my dear students,

It is truly an honour to be here at Sri Balaji University, Pune, a reputed institution known for its industry-driven programs, disciplined academic environment, and strong placement record. I am especially delighted to be a part of this momentous occasion — the inauguration of the MBA Batch of 2025-27 — because moments like these are not just milestones for students; they are turning points in their lives.

To the students seated here — let me begin by congratulating you on securing admission to this prestigious institution. You are now part of a university that doesn't just teach management; it shapes leaders, builds character, and nurtures a spirit of innovation and resilience.

My heartfelt congratulations to each one of you on securing admission to the MBA program — a significant milestone in your academic and professional journey.

You are stepping into a transformative phase of your life — one that will shape your mindset, expand your vision, and prepare you to take on leadership roles in the years to come. This is not just a personal achievement, but a national opportunity.

India today stands at the cusp of extraordinary change — economic growth, digital transformation, global influence — and you are going to be the drivers of this change.

This MBA journey is your chance to take the nation forward, to solve complex challenges, to build inclusive businesses, to lead with integrity, and to create impact not just in boardrooms, but in the lives of millions. Make this journey count — not just for your own success, but for the pride of the nation.

As you embark on this exciting path, remember: India believes in you. The future of the nation rests on your shoulders. Make India proud.

Today marks the beginning of your transformative journey — from aspiring professionals to responsible, ethical leaders of tomorrow's economy.

We are living in an India that is brimming with possibility. With a vision of becoming a Viksit Bharat by 2047, our nation is poised to become a global economic powerhouse. This vision cannot be realized without skilled, ethical, and visionary management professionals who can lead businesses, drive startups, and manage change.

An MBA is not just a degree — it is a driver of India's growth story. Today, we see Indians in key leadership roles across the globe — from leading Fortune 500 companies to building unicorn startups. This global recognition is a testament to our talent. To sustain and expand this influence, we must build a strong foundation in management education — one that cultivates visionary, ethical, and adaptive leaders ready to shape the future of business and nation-building.

Management education today must go beyond textbooks. It must include digital fluency, entrepreneurial thinking, understanding of ESG (Environment, Social, Governance), global outlook with local relevance.

At AICTE, we are promoting these values through curricular reforms, internship mandates, outcome-based education, and entrepreneurship development initiatives. We frequently hear from industry leaders about the need for graduates who are not just *employable* but *industry-ready*. That means:

- Being able to work in cross-functional teams
- Adapting to digital transformations like AI, blockchain, analytics

- Understanding customer behavior and market dynamics
- And most importantly, solving real-world problems with clarity and confidence

I am happy to see that Sri Balaji University's MBA programs are rooted in strong industry collaboration, internships, and practical exposure. These are essential ingredients to building a future-proof career.

My Advice to Students

Let me leave you with a few thoughts as you begin your MBA journey:

1. **Be Curious** - Ask questions, challenge assumptions, dig deeper.
2. **Be Ethical** - In today's world, trust and integrity are your biggest assets.
3. **Be Adaptable** - Technologies will change, markets will shift; your mindset must be agile.
4. **Be Collaborative** - Great leaders build great teams; they don't walk alone.
5. **Be Nation-Centric** - Whatever you do, remember you are contributing to India's growth story.

Dear students, today is not just an inauguration of your MBA journey — it is the beginning of your **transformation** into professionals who will drive India's economy, shape industries, and influence society.

The challenges ahead will be many, but so will the opportunities. Walk this path with passion, purpose, and perseverance.

Thank you once again for inviting me. I extend my best wishes to the new batch and the entire Sri Balaji University fraternity for continued excellence.

Jai Hind!

EDUCATION TECHNOLOGY FOR NATION BUILDING

IIT Bombay

Topic: Developing Students with Industry Ready Skills

June 18, 2025

Namaskar!

Greetings to:

- Prof. Kannan Moudgalya, Inventor of Spoken Tutorial
- Prof. Anil Sahasrabudhe, Chairman, NAAC & NETF
- Honourable dignitaries on the dais, respected faculty members, industry representatives, innovators from the EkStep Foundation, dear students, and all esteemed guests,

It is indeed a great privilege to be here at IIT Bombay — one of India’s most iconic institutions, a birthplace of innovation and talent — to participate in this landmark event focused on “*Education Technology for Nation Building*.”

Let me first congratulate Spoken Tutorial and EkStep Foundation for bringing to life a groundbreaking initiative — a hiring model that promises to transform the landscape of campus recruitment in India. A model that is simple, scalable, and secure — echoing the spirit of UPI in the world of employment. This is not just a tool for

recruitment; it is a vision for empowerment.

India is a nation of youth — over 50% of our population is below the age of 25. We are the world’s largest talent reservoir. But a talent reservoir must flow — into industries, into startups, into innovation labs, into the service of society. And for that, we must ensure that our graduates are not just *employable* — but *industry-ready* from day one.

Over the last decade, one major concern echoed by industry leaders has been the skills gap — the disconnect between what students learn in classrooms and what they are expected to perform in real-world settings.

At AICTE, we have adopted a multi-dimensional approach to bridge this gap, aligning with the National Education Policy 2020. Let me share a few key initiatives:

1. Model Curricula & Outcome-Based Education

We have revised the curriculum across engineering disciplines to emphasize core fundamentals, hands-on learning,

and emerging technologies like AI, Data Science, and IoT.

2. Internships & Industry Connect

Through the *AICTE Internship Portal*, over 3 million internships have been facilitated. We are ensuring that students get real-time exposure even before they graduate.

3. Skill Enhancement through IDEA Labs & Ed-Tech Tools

More than 400 AICTE IDEA Labs across India are helping students turn their ideas into tangible projects.

4. Faculty Training & Pedagogical Innovation

Faculty development is at the heart of quality education. Over 5 lakh faculty members have undergone training under AICTE's ATAL and FDP programs — ensuring they bring industry-aligned learning into classrooms.

5. Industry-Academia Collaboration

AICTE has signed various agreements/MoUs with industry giants to ensure that our students doesn't miss out on the skill part and get the real hands-on experience.

Nation Building Begins with Skills

We often talk about India becoming a \$5 trillion economy or achieving Viksit Bharat

by 2047. But none of these dreams can be realized unless our students are skilled, employable, and adaptable to the fast-evolving world.

Today's event is a testimony that technology, community, and education can come together to build systems that are not just futuristic — but inclusive, affordable, and impactful at scale.

To academic institutions — I urge you to embrace such models and embed them within your career support ecosystems.

To industry leaders — I invite you to partner with us, help shape curricula, and offer meaningful internships and job roles.

And to our bright young students — remember, degrees may open doors, but skills are the keys that unlock your future.

Let us move from rote learning to role playing, from employability to entrepreneurship, from qualification to skill verification.

Together, with visionary tools like the hiring model we launch today, and with committed stakeholders across academia and industry, I am confident that we will not just develop students with industry-ready skills, but also empower them to lead the industries of the future.

Thank you once again for having me here.

Jai Hind!

2nd ET Annual Education Summit 2025

New Delhi

19th June 2025

Namaskar and Good Morning to Everyone,

It is a privilege to be here among such a distinguished gathering of policymakers, educationists, innovators, and thought leaders. I thank the Economic Times for convening this timely summit focused on “Transformative Reforms through Best Practices”—a theme that directly aligns with the spirit of **National Education Policy 2020**, which we are proud to implement across India.

NEP 2020: A Transformative Vision

NEP 2020 is not merely a reform document; it is a **vision document for India’s future**. For the first time in over three decades, we have reimagined—not just reformed—our education system. With its core pillars of **access, equity, quality, affordability, and accountability**, the policy aims to transform India into a **global knowledge superpower**.

The policy has catalyzed a shift from **rote-based learning to experiential learning**,

from **rigid disciplines to multidisciplinary education**, and from **fragmented governance to integrated and transparent administration**.

As we mark **five years since its launch**, I am proud to say that we are no longer talking about *what should be done*—we are showing *what is being done*.

Implementation Milestones of NEP 2020

Let me share a few highlights that show how India’s higher education is being transformed:

- **Student enrolment** has surged to **4.46 crore** (2022–23), with **female enrolment in STEM exceeding 43.4%**, among the highest globally.
- The **Academic Bank of Credit (ABC)** now has over **2.38 crore student accounts**, enabling flexible and seamless mobility across institutions.

- The **Multiple Entry-Exit Framework** is empowering learners to learn at their own pace with certificates, diplomas, and degrees at different stages.
- **Digital learning** has flourished with the **SWAYAM platform** offering over **14,750 online courses**, while **102 HEIs offer 544 full online degree programs**. **5.1 crore students** are enrolled in ODL mode.

In line with NEP's emphasis on **multilingualism and rootedness in Indian ethos**:

- National-level exams like **JEE and NEET** are now conducted in **13 Indian languages**.



- **41 engineering courses** are offered in **8 regional languages** across **10 states**.
- Through the **Anuvadini AI tool** developed by AICTE, thousands of books have been translated and made available on the **e-Kumbh portal**.
- The **Bharatiya Bhasha Pustak Yojana**, announced in Budget 2025-26, is providing Indian language digital books across disciplines.

AICTE-Led Industry-Academia Collaboration

Aligned with NEP 2020's emphasis on **employability and industry linkage**, AICTE has taken bold steps:

- The **AICTE Internship Portal** has onboarded **10,578 HEIs and 79,000+ companies**.
- **1.97 crore students** have registered, with over **77 lakh internships** facilitated so far.
- **35,000 institutes** have signed MoUs with industries for internships and placements.

And very recently, we've introduced two pioneering fellowships:

1. AICTE Industry Fellowship

This is a game-changer initiative. Aimed at **faculty members with over 5 years of experience**, the fellowship enables them to work with top industries on live projects. This not only upskills faculty but also strengthens **classroom-industry connect**.

The AICTE Industry Fellowship Programme (AIFP) is set to roll out its pilot phase in 2025-26, selecting 350 faculty members



from AICTE-approved institutions for full-time industry immersion. Building on its initial success, the programme aims to scale up and train 1,500 faculty members annually over the next three to five years. Each fellowship will span a period of 6 to 12 months, allowing faculty to work closely with leading industries across priority sectors. To ensure robust financial support, AICTE will provide a monthly fellowship of ₹75,000, while participating industries will contribute a minimum of ₹25,000 per month. Additionally, the fellows will continue to receive their regular salary from their parent academic institutions, making the AIFP one of the most financially attractive and secure fellowship models in the country for faculty upskilling.

2. AICTE Productization Fellowship

To bridge the gap between innovation and market, this fellowship supports the **conversion of prototypes into**

products, by funding teams of faculty and students in **collaboration with industries and incubators**. Innovation without implementation is mere imagination—this fellowship brings innovations to life.

Boosting R&D and Infrastructure

- **2,500+ HEIs and 300+ universities** have now established **R&D cells**.
- **Over 400 IDEA Labs** established across the country provide a platform for hands-on innovation.
- Schemes like **MODROBS** and **RPS** (Research Promotion Scheme) have enabled thousands of institutions to modernize and advance.

Innovation and Hackathons: Fueling Young Minds

The **Smart India Hackathon (SIH)**, the

world's largest open innovation platform, has empowered over **15 lakh students** across **8,127 institutions** to solve real-world problems.

We've taken innovation beyond borders through **India-ASEAN**, **India-Singapore**, and **UNESCO India-Africa Hackathons**, hosting over **600 innovators from 22 countries**.

Reviving India's Civilizational Knowledge

NEP is committed to blending modern education with our ancient wisdom. Through the **Indian Knowledge System (IKS) Division**:

- **53 IKS centers** are active across India.
- **38 IKS courses** are offered in institutions covering Ayurveda, logic, aesthetics, and more.
- Over **8,000 HEIs** are integrating IKS into curricula.
- **1.5 lakh IKS books** are being digitized.

- The **National Digital Repository of IKS** will be launched as per Budget 2025-26.

Education for Viksit Bharat @2047

Dear friends,

The **National Education Policy 2020 is our tryst with the future**. It is the bridge between our demographic dividend and the dream of **Viksit Bharat @2047**. It will not be easy—but it will be worth it.

As Swami Vivekananda rightly said, *“Education is the manifestation of perfection already in man.”* Let us become the torchbearers of this perfection.

Let me end by reminding ourselves: **Education is not merely about degrees and diplomas. It is about values, vision, and transformation**. Let us stay committed to this journey—with passion, purpose, and partnership.

Dhanyavaad. Jai Hind.



21ST GRADUATION & INAUGURATION OF THE NEW EXAMINATION BUILDING

SJB Institute of Technology (SJBIT)

Bengaluru, Karnataka

23rd June 2025

Namaskaram and Good Morning!

- His Holiness Jagadguru Sri Sri Sri Dr. Nirmalanandanatha Mahaswamiji,
- Sri Sri Dr. Prakashnatha Swamiji, Managing Director,
- Respected Members of the Management, Esteemed Faculty, Proud Parents, and Dear Graduating Students,

It is my utmost honour and privilege to be present here today at the 21st Graduation Ceremony of the prestigious SJB Institute of Technology (SJBIT), and also to witness the inauguration of the New Examination Building - a remarkable milestone that reflects the institution's unyielding commitment to academic excellence, holistic development, and future-ready infrastructure.

I would like to congratulate the entire SJBIT fraternity - from the visionary leadership of the management, especially under the blessings and guidance of His Holiness Jagadguru Sri Sri Sri Dr.

Nirmalanandanatha Mahaswamiji and Revered Sri Sri Dr. Prakashnatha Swamiji, to the devoted faculty members, hardworking administrative staff, and vibrant student community - for building an institution that truly stands as a pillar of quality education and values. The commissioning of this new building is not just an expansion of physical space; it symbolizes your expanding vision, growing aspirations, and deep-rooted belief in empowering young minds.

To all the graduating students, this moment is a testament to your perseverance, your aspirations, and your intellectual growth. You have reached an important milestone in your lives - and I extend my heartiest congratulations to each and every one of you. You now carry the knowledge, skills, and values that this great institution has imparted to you, and the responsibility to use them meaningfully in the service of society, industry, and the nation.

I also wish to specially acknowledge the parents and families of the graduating students - your unwavering support,

sacrifices, and encouragement have played a pivotal role in bringing your children to this proud moment. You deserve as much applause and recognition today as your children do.

To the respected faculty members, my deepest appreciation for your selfless commitment to nurturing the next generation of professionals, leaders, and innovators. You are the torchbearers of India's educational future, and institutions like SJBIT shine brightly because of your dedication and passion.

Together, as we celebrate this dual occasion – of academic achievement and institutional progress – I am confident that SJBIT will continue to play a significant role in shaping a brighter, stronger, and more innovative India.

Today, as we gather to celebrate, we must also reflect on the broader context in which we are living. Across the globe, we see growing instability. The Iran-Israel conflict, the ongoing Russia-Ukraine war, tensions in various parts of Asia and Africa – all signal a world that is increasingly volatile. Millions

are displaced, economies are strained, and peace, which many of us take for granted, is becoming a rarity.

Yet, amidst all this uncertainty, India stands tall – as a beacon of stability, resilience, and diplomacy. We are truly fortunate to be born in a land where peace is not just a policy, but a way of life. Our civilization teaches *Vasudhaiva Kutumbakam* – the world is one family – and our foreign policy, guided by maturity and foresight, reflects that same ethos.

We did not choose war; we chose wisdom. We did not escalate tension; we chose dialogue and balance. Whether it is in times of the pandemic, climate crises, or geopolitical conflicts, India has emerged as a trusted global partner, a voice of reason, and an anchor of peace.

The India you are graduating into is not the India of yesterday. India is becoming a superpower – not through aggression, but through ambition and action. From being one of the largest consumers, we are becoming one of the largest creators:





- In technology, we lead the world in digital public infrastructure.
- In space, we've reached the Moon and are preparing for human spaceflight.
- In manufacturing, the 'Make in India' initiative has placed us firmly on the global map.
- In education, NEP 2020 is revolutionizing how we learn, unlearn, and relearn.
- In diplomacy, India is the only major power that speaks to all sides, and is respected by all.

Dear students, India isn't just a country—it's a 5,000-year-old civilization that has outlived every empire, invasion, and ideology thrown at it. While the West defined power through colonization and conquest, India survived, absorbed, adapted, and transformed.

From the advanced urban planning of the Indus Valley Civilization, to giving the

world the zero, the decimal system, yoga, Ayurveda, and spiritual philosophies—India's contributions are not trivia, but the foundation of global culture and intellect. In a world still obsessed with domination, India leads with intellect, influence, and innovation. That is true power.

India today is youth-driven, innovation-powered, and future-focused. And you – dear graduates – are at the heart of this transformation.

Dear Students,

As you step into the next phase of your lives, remember: *Engineering is not just about learning and writing exams; it is about implementing your learning for societal change.* Your true success will not be measured just by your salary or title, but by the impact you create in the world – on people, on society, and on the planet.

You are graduating at a time when the world needs solution creators, not problem observers. Whether you go into startups, civil services, research, or entrepreneurship,

ensure that you carry within you the values of compassion, the discipline of science, and the courage to lead with integrity.

SJB Institute of Technology has, over the years, emerged as a centre of excellence – not just for producing competent engineers, but for nurturing socially responsible citizens. Your focus on value-based education, your collaboration with industry, and your commitment to continuous improvement through facilities like the newly inaugurated Examination Building are commendable.

Let me take a moment to congratulate the management for investing in state-of-the-art infrastructure and for providing students an environment where they can truly grow – academically and personally.

Today, India is the youngest country among the major global economies. With over 65% of the population under the age of 35, the youth is not just our future – it is our present. You, the graduates of today, are the builders of tomorrow's India – a Viksit Bharat, a developed, inclusive, and technologically advanced India.

Let us not forget – we were born in a free country, but that freedom came at a price. Let us honour it by living responsibly. Let us protect the peace we have by promoting empathy and harmony. Let us rise – not to dominate others, but to uplift everyone.

To all the graduates – believe in your dreams, stay grounded in your values, and never forget your roots. To the parents – thank you for your sacrifices and belief. And to the faculty – your role in shaping lives is invaluable.

Once again, my deepest congratulations to the management of SJBIT for this grand occasion, to the students for their achievements, and to all of you for being part of this journey.

Let us together build a future where India shines not just as a superpower, but as a super example – of peace, prosperity, and progress.

Jai Hind. Jai Karnataka. Jai Bharatiya Shiksha.

Thank you.



Launch of INNOVASTHAN – Karnataka Chapter

Bengaluru, Karnataka

28th June 2025

Namaskaram!

Greetings to:

- Hon'ble Governor of Karnataka, Shri Thaawarchand Gehlot ji
- (Padma Shri) Dr. Ashutosh Sharma – President INSA & Ex Secretary, DST
- Dr. Unnat P. Pandit – Controller General, DPIIT
- Dr. Shweta Singh, Chairperson, CIIR
- Dr. Chenraj Roychand–Chancellor, Jain Deemed to be University
- Dr. Ashwin Fernandez–Executive Director (AMESA), QS Quacquarelli Symonds
- Distinguished guests and dignitaries on the dais,
- Members from academia, industry, and startups
- My dear colleagues and students,
- Ladies and Gentlemen

It is indeed a great privilege and honour to be part of the launch of *Innovasthan* – a timely and visionary initiative that embodies the spirit of *Vichar to Vikas* – from thought to development.

At a time when India is rapidly emerging as a global innovation powerhouse, efforts like Innovasthan are not just welcome—they are essential. The convergence of academia,



industry, and policy, as envisioned by this platform, is precisely what our higher education ecosystem needs to unlock the vast potential of our youth and catalyse India's innovation journey.

Innovation today is not a luxury; it is a necessity. From artificial intelligence to deep tech, clean energy to life sciences, we are witnessing a historic opportunity to position India as a knowledge economy. However, to realise this dream, we must break silos and build ecosystems. And this is where platforms like Innovasthan become transformative.

At AICTE, we have been working diligently to embed a culture of innovation and entrepreneurship into technical education. Initiatives like the AICTE IDEA Labs, Smart India Hackathon, Bootcamps and our collaboration with Intellectual Property India are geared towards making our students creators, not just consumers.

Recognizing that the future belongs to creators and not just consumers, AICTE has rolled out a series of groundbreaking initiatives to foster a culture of innovation,

and entrepreneurship, and intellectual property awareness in technical institutions across the country. Through the KAPILA (Kalam Program for IP Literacy and Awareness) initiative, lakhs of students and faculty members have been empowered to understand, file, and protect their intellectual property, thereby strengthening India's IP ecosystem from the grassroots. The Smart India Hackathon for the last 7 years has transformed the innovation landscape by giving students a national platform to solve real-world problems posed by government and industry. Thousands of young minds have already contributed impactful, implementable solutions to societal and industrial challenges through these platforms. Additionally, AICTE's establishment of over 400 IDEA Labs nationwide is enabling hands-on learning, design thinking, and rapid prototyping, making technical education future-ready and innovation-centric. By integrating innovation into the curriculum, providing funding for startups, recognizing institutional best practices, and actively collaborating with ministries, incubators,





and industries, AICTE is ensuring that innovation is no longer an extracurricular idea—it is becoming the DNA of India’s technical education system.

But innovation is not just about technology—it is about solving real problems, improving lives, and generating sustainable value. This requires an inclusive ecosystem where startups, MSMEs, academic institutions, and policymakers work hand in hand, co-creating solutions that are both locally relevant and globally scalable.

I am especially pleased that Innovasthan aims to strengthen the IP ecosystem. Intellectual property protection is the bedrock of any innovation economy. We must empower our students and researchers to think fearlessly, to create confidently, and to protect their creations diligently.

Let me also underline the importance of state-level initiatives like this. Karnataka has always been at the forefront of innovation in India—home to world-class institutions, a vibrant startup ecosystem, and progressive

governance. It is only fitting that the Karnataka chapter of Innovasthan leads the way.

I commend the efforts of CIIR and Dr. Shweta Singh for her visionary leadership. The presence of the Hon’ble Governor and such an august gathering here today is a testament to the importance of this initiative.

As we launch this Karnataka Chapter, I urge all stakeholders to adopt a mission-mode approach—one that is bold, collaborative, and impact-driven. Let us ensure that our innovation doesn’t remain in labs or pitch decks—but reaches the people, solves real challenges, and inspires the next generation of creators.

With these words, I congratulate the team behind Innovasthan and assure you of AICTE’s full support in scaling this initiative across the country.

Let us make *Innovasthan* a beacon of India’s innovation movement.

Thank you. Jai Hind.

RECTOR'S DIN

To Welcome
ate Diploma in Management &
Batch: 2025-2027

Chief Officer Prof. T.G. Sitharam Chairman,

Dean (Graduate)

6:00 PM Onw

T.G. Sitharam

Jyotsna Bhatnagar

Management Development Institute (MDI)

Gurgaon

29 June, 2025

Namaskar and a very good evening to all of you,

At the outset, I extend my warm greetings to the Director of MDI Gurgaon, Dr. Arvind Sahay; Dean Dr. Jyotsna Bhatnagar; respected faculty members; staff; and above all, the bright and aspiring students of the incoming batch of PGDM programmes.

It is an honour for me to be here at the prestigious Management Development Institute, a name that resonates with excellence, vision, and leadership in management education.

To the new batch of students: congratulations on embarking on this transformational journey. Your decision to pursue a management programme is not just a milestone in your academic life, but also a stepping stone toward becoming leaders of change in the world of business, governance, and beyond.

As you step into this next phase of life, allow me to share some thoughts on what I believe is an essential theme for this decade — the convergence of ethics and technology.

We are in the age of Artificial Intelligence, Data Analytics, Blockchain, and Digital Transformation. But let us also remind ourselves: technological progress devoid of ethical grounding is dangerous.

AI, while powerful, is not a substitute for human values. It is a tool — and like every tool, its impact depends on the hands that wield it. We must prepare to lead in a world where decision-making is increasingly automated, yet human judgment, ethical integrity, and empathy remain irreplaceable.

That is where you as the torchbearer of the nation holds a greater responsibility. You will not be just managers — but leaders of character, entrepreneurs with conscience, and policymakers with vision.

To the students gathered here: this is your moment to dream big, think bold, and act responsibly. The next two years will shape not just your careers, but your character, your values, and your purpose. While you will acquire knowledge from lectures and case studies, never forget that true leadership lies in empathy, integrity, and the courage to innovate.

I urge you to embrace **entrepreneurship, social responsibility, and sustainability**—not just as academic themes, but as pillars of your professional life. Your journey with MDI will be crucial and impactful as the MDI Gurgaon has consistently shown the way in bridging academic excellence with real-world relevance. Your industry linkages, international collaborations, and emphasis on ethical leadership set benchmarks for management institutions across the country.

At AICTE, we are working relentlessly to build an ecosystem of *accessible, inclusive, and future-ready* education. We believe that management students must not only master the sciences of finance, marketing, or operations — but must also become problem solvers, ethical innovators, and global citizens.

Don't think of your PGDM as an end. The future will belong to those who continue

to learn, unlearn, and relearn. Explore certifications, micro-credentials, MOOCs — they will empower you to stay relevant in a rapidly changing job market. Dream big. Think of solving real-world problems. Institutions like yours are best placed to nurture start-up ecosystems that thrive on ideas.

Let me leave you with a thought by Mahatma Gandhi: “The best way to find yourself is to lose yourself in the service of others.”

Finally, I wish you all the very best for your journey ahead. Make the most of every moment here—learn, network, explore, and above all, grow.

Thank you once again for this warm welcome. It's been a privilege to be with you today.

Jai Hind.



National Conference of Chief Secretaries

Topic: Role of Technical Education for Knowledge Economy

AICTE HQ, New Delhi

02 July, 2025

Namaskar!

Greetings to:

- Shri Vineet Joshi Ji, Secretary, Higher Education,
- Shri B. Venugopal Reddy, Addl. Chief Secretary, Government of Maharashtra
- Sh. Mangi Lal Jat, Secretary, Department of Agricultural Research and Education
- Dr. Sunil Pareek, Director (IQAC), Department of Agricultural and Environmental Sciences, National Institute of Food Technology, Entrepreneurship and Management
- Prof. Sangeeta Shukla, Vice Chancellor, Chaudhary Charan Singh University, Uttar Pradesh
- Shri. Govind Jaiswal, Joint Secretary, Ministry of Education

- Dr. S. K Sharma, Assistant Director General, ICAR

I welcome you all to the All India Council for Technical Education. I am happy to speak and share my thoughts on — *“Role of Technical Education for Knowledge Economy”* — as part of this vital national workshop on *Human Capital for Viksit Bharat*.

Let me begin with a simple yet powerful thought: A knowledge economy is driven not by the volume of resources but by the depth of skills, innovation, and intellect of its people. And at the heart of this transformation lies technical education.

India is undergoing a historic transformation. With the world’s largest youth population, rapid digitalisation, and a strong push for “Aatmanirbhar Bharat,” the knowledge economy is no longer a vision — it is our emerging reality.

Let's understand where India stands in terms of

A. Economic growth:

1. India is the 4th largest global economy in 2025, driven by domestic reforms and global positioning under the vision of *Aatmanirbhar Bharat*.
2. India is the world's fastest-growing major economy, with real GDP growing at 6.5% and nominal GDP tripling from ₹106.57 lakh crore (2014-15) to ₹331.03 lakh crore (2024-25).
3. India is projected to be the world's fastest growing major economy (6.3% to 6.8% in 2025-26).
4. India's digital payment transactions have expanded at an exponential rate, reflecting increased digital adoption among individuals and businesses.
5. Digital payment transactions grew from 2,071 crore in FY 2017-18 to 18,737 crores in FY 2023-24, achieving a Compound Annual Growth Rate (CAGR) of 44%.
6. This transformation is the result of a decade of decisive governance, visionary reforms, and global engagement under Prime Minister Narendra Modi.

B. Higher Education Transformation (Source: PIB India)

1. In the ancient Indian texts, it is said that "The wealth of knowledge is indeed the supreme among all forms of wealth."

2. The introduction of NEP, ANRF etc have entirely transformed the Indian education system.
3. In the last decade, India has seen an impressive 318% increase in its representation in global rankings—the highest growth among the G20 nations.
4. Since the establishment of the earliest universities in Calcutta, Bombay and Madras in 1857, India's higher education ecosystem has expanded significantly.
5. **Growth in Higher Education Ecosystem:** In 1950-51, the country had just 30 universities and 578 colleges. According to the AISHE portal, the number of Higher Education Institutions (HEIs) witnessed a remarkable 13.8% increase, rising from 51,534 in 2014-15 to an impressive 70,018 as of June 2025. This number contains Universities, Colleges, Standalone Universities/Colleges, PM Vidyalaxmi and Research and Development Institutes.
6. **University Growth:** Universities grew from 760 in 2014-15 to 1,338 as of June 2025 showcasing India's commitment to world-class institutions.
7. **College Growth:** The number of colleges increased from 38,498 in 2014-15 to 52,081 as of June 2025, meeting the growing demand for higher education.
8. **IITs Growth:** In 2014, there were 16 Indian Institutes of Technology (IITs). With the addition of 7 new IITs in the subsequent years, the total number has risen to 23 as of June 2025.

9. **IIMs Growth:** In 2014, there were 13 Indian Institutes of Management (IIMs). By June 2025, this number has grown to 21.
10. **Medical Education Boost:** Since 2014, the number of AIIMS institutions has increased from 7 to 20 (June 2025), effectively tripling.
11. **School Upgradation:** 14,500 schools to be upgraded under PM SHRI (PM Schools for Rising India) Yojana.
12. **Significant Growth in GER:** Between 1950-51 and 2021-22, India's Gross Enrollment Ratio (GER) grew by a remarkable 71 times showcasing significant progress in increasing student enrollments over the decades. The GER was 0.4 in 1950-51 and reached 28.4 in 2021-22. This impressive progress aligns with the goals set by the National Education Policy

(NEP) 2020, which aims to achieve a GER of 50% by 2035.

13. **India's Global Research Contribution:** India's contribution to global research publications has also seen a significant rise, increasing from 3.5% in 2017 to 5.2% in 2024.

Key Impact of Indian Engineers:

India's engineers have been at the forefront of this transformation.

- **Global Tech Leadership:** Over 30% of top tech leadership roles in Silicon Valley are held by Indians, showing the global demand for Indian technical talent.
- **Nation-Building Contributions:** Engineers have led the creation of modern infrastructure — from ISRO's space missions, UPI's global



fintech model, to BharatNet's rural connectivity and the Vande Bharat trains that redefine public transportation.

- **Frugal Innovation:** India is now known globally for cost-effective engineering solutions — whether it was developing low-cost ventilators during COVID, drone-based agricultural tech, or smart irrigation and rural electrification.

Significance of Technical Education

Technical education — encompassing engineering, management, architecture, applied sciences, AI, data science, and beyond — plays a foundational role in building a robust and future-ready economy. It is not just about producing graduates. It is about creating innovators, researchers, solution-builders, and entrepreneurs who can address the challenges of today and shape the industries of tomorrow.

Current Focus Areas in Technical Education:

To remain globally competitive, we are channeling our resources into critical areas:

- **Future Skills:** Artificial Intelligence, Machine Learning, Cybersecurity, Robotics, and Semiconductor Design are being aggressively promoted in our institutions through curriculum upgrades and skilling initiatives.
- **Skilling & Upskilling:** Through collaborations with **MSDE, NSDC, IBM, NASSCOM**, and others, we are ensuring that students, faculty, and working professionals remain

aligned with the latest industry demands.

- **Entrepreneurial Mindset:** Programs such as **YUKTI**, the **Smart India Hackathon**, and thousands of **Faculty Development Programmes (FDPs)** are instilling innovation, problem-solving, and startup culture among learners and educators alike.

AICTE's Vision: Creating Tech-Ready Human Capital

At AICTE, we have aligned all our initiatives with the larger goals of **Viksit Bharat @2047**. Our key focus areas include:

- AICTE has 14000+ Institution Innovation Council (IICs) to promote the innovation and entrepreneurship mindset in the Institutions.
- **AICTE Internship** portal offers 75,000+ internships for students
- **Faculty Development:** AICTE conducts 2000+ FDPs annually to train faculty in emerging areas. For the first time we introduced the AICTE Industry Fellowship scheme for faculty members to make them train in the industry environment and gain hands-on experience.
- **Curriculum Modernisation** aligned with NEP 2020 to ensure that our learners are not only academically equipped but **industry-relevant and globally competent**.
- **AICTE IDEA Labs** across India are nurturing innovation ecosystems where students get hands-on experience in emerging technologies.

- **Skill Development Schemes** like internships, employability enhancement programs, and the AICTE-EdTech platforms are preparing youth for a rapidly changing world of work.
- Through **multiple entry and exit systems and the Academic Bank of Credits**, we are creating a flexible and inclusive learning environment that promotes lifelong learning — a key pillar of the knowledge economy.
- **Bridging Education with Innovation and Industry:** India cannot lead the knowledge economy with rote learning. Our drive is to cultivate **interdisciplinary learning, problem-solving mindsets, and Startup and research ecosystems** across all technical institutions.
- AICTE promotes **student-driven innovation** through Smart India Hackathons, national-level design challenges, and institutional innovation councils. We are also ensuring greater collaboration between academia and industry through our industry internship programs and Centres of Excellence.
- Moreover, we are making a strong push for **patent filing and intellectual property awareness** under the KAPILA scheme, to convert ideas into economic assets.
- **Inclusivity, Accessibility & Global Competence:** A knowledge economy cannot thrive without being inclusive. AICTE's **scholarship and support schemes**

for girls, SC/ST students, and economically weaker sections aim to bridge the socio-economic gap in access to quality technical education.

- Scheme for Working Professional: AICTE introduced a scheme specifically designed for working professionals to upgrade their education status and learn new skills.
- Additionally, through **international collaborations**, twinning programs, and credit recognition models, we are preparing our students to become not just job seekers but **global professionals and entrepreneurs**.

Building for Viksit Bharat @2047

Let us remember — India's demographic dividend can be a **demographic disaster** if we don't equip our youth with the **right technical skills, digital tools, entrepreneurial mindset, and innovation capabilities**.

Technical education must not merely prepare students for today's jobs, but must **empower them to create the jobs of tomorrow**.

In the knowledge economy, the true currency is **human capital** — and technical education is the **mint** where it is shaped.

Let us work collectively — the Centre, States, industry, and academia — to make India not only a global talent hub but a **global innovation leader**.

Thank you.

Jai Hind!



 YOTTA

Presents

 **VIKSIT
BHARAT
SUMMIT** 2025

3 JULY 2025, NEW DELHI

**HARNESSING AI,
ADVANCING INDIA**

APAC Media

AI for Viksit Bharat@2047 Summit

New Delhi

3rd July 2025

Namaskar!

Warm greetings and good morning to everyone present here.

It is indeed a great honour to be part of this visionary summit—AI for Viksit Bharat@2047, organized by APAC Media in collaboration with the Ministry of Electronics & IT and IndiaAI Mission. The presence of thought leaders, innovators, policymakers, and educators under one roof today marks not just a milestone—but a movement.

As we stand at the intersection of *Amrit Kaal*, our journey toward a Viksit Bharat by 2047 is anchored in one fundamental force—Knowledge, and today, that knowledge is increasingly powered by Artificial Intelligence.

AI: The Brainpower of a New Bharat

Artificial Intelligence is not just a technology—it is a national enabler. From predictive analytics in agriculture to AI-driven diagnostics in rural health centres, from intelligent transportation systems to

adaptive learning platforms in education, AI is touching lives in ways previously unimagined.

The question before us today is not *whether* we will adopt AI, but *how inclusively, responsibly, and strategically* we will shape it for Bharat's holistic progress.

Considering the importance of AI, AICTE even declared the Year 2025 as the Year of AI. We initiated many initiatives to educate our students, faculty and the next generation. Though AI is in trend, no matter for what cause we are using it. The ethical use of AI is an important issue that needs to be discussed and aware.

At AICTE, we believe that AI should not remain confined to elite institutions or metro cities. Every student—whether in Guwahati or Gadchiroli, in tribal Jharkhand or remote Ladakh—must have access to AI education, tools, and opportunities.

We are integrating AI deeply into our model curricula, launching AI-specific Faculty Development Programmes, supporting IDEA Labs, and partnering with leading industry players through the AICTE Internship Portal, which has already

facilitated over 2 million internships, many in AI-related domains.

Through the NEP 2020 framework, we are enabling multiple entry-exit points, flexibility in choosing interdisciplinary AI courses, and establishing Academic Bank of Credits to make AI learning more modular and accessible.

To achieve *Viksit Bharat*, we must transform India from a talent-supplier to a global AI capability hub.

We are launching sector-specific Skill Modules in AI, tailored to areas like smart agriculture, clean energy, smart manufacturing, and even AI in legal frameworks. Our AI-enabled *Skill Development Cells* are being established in tier-2 and tier-3 engineering colleges to ensure last-mile reach.

AICTE's collaboration with platforms like IBM SkillsBuild, AWS, and Intel has empowered lakhs of students to earn

micro-credentials in AI & ML, free of cost.

As we scale AI, we must also embed ethical frameworks. AI should not be a force of exclusion, but a force for equity. We are working closely with institutions to introduce AI Ethics as a mandatory module and pushing for research in explainable and unbiased AI systems.

Just as India leads the world in frugal innovations, we must also lead in ethical AI frameworks that are inclusive, multilingual, and rooted in our diverse socio-cultural fabric.

One of the biggest pillars of our *Viksit Bharat@2047* roadmap is the seamless collaboration between academia and industry. Through our Institutional Development Schemes, AICTE is funding innovation labs, entrepreneurship cells, and industry-academia incubation programs that translate AI research into ground-level solutions.





I'm proud to share that under the Smart India Hackathon, young innovators have proposed over 3,000 AI-led solutions to real-life challenges posed by ministries—many of which are now under pilot implementation.

A Call to Action

Friends, technology by itself is inert—it is people who make it powerful.

If we wish to harness AI for VIKSIT Bharat, we must ensure three things:

1. AI Literacy for All – from school to higher education to lifelong learners
2. Infrastructure for Innovation – from edge devices to cloud access in remote areas
3. Collaboration at Every Level – government, academia, startups, and civil society

This summit today is not just a dialogue—it is a *defining step* in that direction.

Conclusion: India's Century, AI-Driven

Let me conclude with this thought: AI is not about replacing human intelligence; it is about augmenting human potential. And nowhere is this more meaningful than in India, where the scale of problems is matched only by the depth of our talent.

With vision, policy, and partnership, India is poised to lead the AI movement—not as a follower, but as a torchbearer.

Let us build not just an AI-powered India—but an AI-empowered Bharat—inclusive, innovative, and invincible.

Jai Hind.

Thank you.



INVEST 2025

IIT Delhi

Theme: Innovation and Smart Solutions in Vibration Science and Engineering

4th July 2025

Namaskar!

Good Morning!

Respected Dignitaries on the dais, Esteemed Members of the Council of Vibration Specialists (CVS), Faculty and Researchers of IIT Delhi, Experts from DRDO, ISRO, CSIR, Industry Leaders, Students, and Young Researchers,

It is my profound honour to join you today at the inauguration of INVEST 2025—The International Conference on Vibration Engineering, Science, and Technology. I would like to extend my heartfelt congratulations to the organizing team of CVS and IIT Delhi for bringing together such a formidable gathering of minds committed to the advancement of science and engineering.

Organising this conference at this point in time is not just timely—it is vital. We, as a nation, are standing at a crucial juncture in our journey toward a *Viksit Bharat*. What makes this moment extraordinary is the convergence of three distinct generations—each bearing witness to and shaping the arc of technological evolution.

The first generation lived through the revolutionization of technology—they saw the birth of computers, the transition from typewriters to processors, from manual systems to digitization. For them, every invention was a leap, a marvel, a disruption that redefined possibilities.

The second generation was born into the computer age. They grew up alongside the internet, mobile phones, and wireless communication. They did not have to adapt to digital life—they embraced it from the beginning. This group watched technology becoming sleeker, smarter, and more integrated into daily life—through apps, cloud computing, smart gadgets, and advanced software.

And now, we have the third generation—a cohort that is growing up in the age of Artificial Intelligence, automation, Internet of Things, and machine learning. For them, voice assistants, predictive analytics, self-learning algorithms, and virtual reality are not cutting-edge—they are normal. They are living in a world where science fiction is rapidly becoming science fact.



This intergenerational coexistence paints a remarkable timeline of human progress—a vivid reminder of how fast science is transforming the way we live, work, and think.

This is why platforms like INVEST 2025 are not just about academic exchange—they are a celebration of our evolution, and a roadmap for the future. They allow us to pause, reflect, and recalibrate how we approach education, engineering, and innovation—so that each generation is empowered to not just keep up, but to lead.

We are no longer just teaching students to learn machines—we are now preparing them to build machines that learn, to engineer systems that are intelligent, adaptive, and sustainable. This is the essence of the India we are building—a Viksit Bharat that thrives not just on tradition, but on transformation.

Therefore, this conference serves as a powerful reminder: our journey through technology is not linear—it is exponential.

And our role as educators, engineers, researchers, and policymakers is to ensure that every step forward is inclusive, ethical, and impactful.

Friends, India today stands at a pivotal moment in its history. From launching lunar missions to spearheading AI and semiconductor innovation, our nation is transforming rapidly into a global knowledge and innovation hub. At the core of this transformation lies the power of STEM education—a domain where India is not just participating, but leading.

With over 1.5 million engineering graduates annually, India holds the unique distinction of being home to one of the largest talent pools of engineers in the world. Our engineers have not only built the technological backbone of the nation—from ISRO's Chandrayaan missions to UPI's digital payment revolution—but are also driving global leadership in Silicon Valley and beyond.

As the Chairman of AICTE, I firmly believe that engineering is no longer confined to laboratories and lecture halls. It is about transforming ideas into innovation, theory into tools, and knowledge into nation-building.

Under the framework of the National Education Policy 2020, AICTE has taken transformative steps to foster multidisciplinary education, experiential learning, and entrepreneurship. Our focus is clear:

- Bridging theory with real-world applications
- Promoting industry-academic collaboration
- Empowering students with future skills like AI, robotics, and vibration diagnostics
- Encouraging women and underrepresented communities in STEM

The very theme of this conference—Innovation and Smart Solutions in Vibration Science—resonates deeply with our national agenda of Atmanirbhar Bharat, where indigenous technologies must be not only developed but also deployed across sectors.

Often overlooked, vibration science is a cornerstone of structural integrity, safety, and performance in systems ranging from aerospace to automotive, power plants to pipelines. The deliberations at INVEST 2025—on topics like predictive diagnostics using AI, condition monitoring, and smart sensing—are central to how India can future-proof its infrastructure, energy systems, and transportation.

At AICTE, we have launched several initiatives to promote niche and interdisciplinary fields:

- The IDEA Labs, where innovation meets application.



- The National Internship Portal, connecting students with real-world challenges.
- Support for outcome-based accreditation and faculty upskilling in cutting-edge domains.
- Upcoming Model Curriculum for Specialized Fields, including Vibration Engineering and Diagnostics.

Let us not forget, that in a time where AI and ML are revolutionizing engineering diagnostics, it is imperative that our curriculum adapts to the intelligence-powered future of machines.

As India looks forward to becoming a developed nation by 2047, on the centenary of its independence, the role of engineers, scientists, and educators becomes ever more critical.

We must empower our youth not just with degrees, but with direction. Not just with knowledge, but with wisdom. Not just with

skills, but with purpose.

This is where conferences like INVEST 2025 serve as beacons—bringing together researchers, industry leaders, and students to co-create the future of engineering.

To the budding engineers and students present here—let me say this: *You are the custodians of India's future.* Take every opportunity to dive deep, explore, innovate, fail, learn, and rise again. Vibration is not just a mechanical concept—it is symbolic of the resonance of ideas, the frequencies of thought, and the rhythms of progress that define engineering.

I once again commend the organizers, speakers, and delegates of INVEST 2025. May the next three days of learning, exchange, and collaboration vibrate with knowledge and echo with innovation.

Let us together ensure that India not only keeps pace with global advancements—but leads them.

Thank you. Jai Hind. Jai Vigyan.

SILVER JUBILEE CELEBRATIONS

New Horizon College of Engineering (NHCE)

Bengaluru, Karnataka

07 July 2025

Respected dignitaries on the dais,

- Shri Arvind Limbavali ji, Former Minister, GoK
- Dr. Vidyashankar, VC, VTU
- Dr. Balaveera Reddy, Former VC, VTU
- Sri Madhu Pandit Dasa ji, President-ISKCON
- Mr. Dharmesh Manghnani, President, NHCE
- Dr. Mohan Manghnani, Chairman, NHCE
- Mrs. Renuka Manghnani, Vice Chairperson, NHCE
- Principal, Registrar, esteemed faculty members, industry partners, alumni, students, and distinguished guests,

Namaskara and a very good evening to all of you.

It is truly an honour and privilege to be present here today on this remarkable

occasion — the Silver Jubilee Celebrations of New Horizon College of Engineering. A 25-year journey is a significant milestone — a celebration of legacy, resilience, and a forward-looking vision.

Let me begin by congratulating the entire NHCE family — the founders, management, faculty, staff, students, and alumni — for this glorious journey. Institutions like NHCE form the backbone of India's higher education ecosystem, and today's celebration is a reflection of your dedication to quality, innovation, and nation-building.

Over the past two and a half decades, NHCE has established itself as a premier institution, blending academic excellence with human values, technical proficiency with social responsibility, and entrepreneurship with ethics.

Your students have not only performed well in academics but also emerged as leaders in innovation, startups, and social impact. Your partnerships with industry and efforts toward holistic education align deeply with AICTE's core mission.

As we look ahead, the landscape of education is evolving rapidly. With AI, Machine Learning, Cybersecurity, Climate Tech, and Space Technologies becoming foundational to tomorrow's economy, institutions must serve not only as centers of knowledge but as ecosystems of innovation and skills.

At AICTE, we are moving decisively in this direction through:

- Model Curriculum updates aligned with NEP 2020
- Skill development through IDEA Labs, Internship Portals, and virtual skilling programs
- Promoting multilingual education, credit flexibility, and Academic Bank of Credits
- Encouraging women in engineering, entrepreneurship, and leadership through scholarships and fellowships
- Bringing industry and academia closer through internship schemes and industry-aligned courses

NHCE has been an enthusiastic partner in many of these initiatives, and I applaud your commitment to aligning with the national vision of a Viksit Bharat @2047.

Message to Students and Alumni

To the students and alumni present here — **you are the true ambassadors** of this institution. As you step into the professional world, remember:

- Engineering is not just about marks and degrees — it is about creating solutions that **serve humanity**

- In the race for jobs, **don't rush** — take time to discover your **true potential**. It is not always about the first offer; it's about the **right direction**
- **Learn continuously, adapt fast**, and never lose your curiosity
- Most importantly, **build with empathy, lead with humility**, and dream with purpose

You are stepping into a world of limitless possibilities — a world that is as challenging as it is inspiring. And with your foundation from NHCE, I am confident you will shine.

I take this moment to express my deep appreciation for the visionary leadership of Dr. Mohan Manghnani, and Mrs. Renuka Manghnani, whose dedication has shaped this institution into a beacon of excellence.

I also acknowledge the invaluable contribution of every teacher who has mentored thousands of students, and every staff member who has worked silently behind the scenes to make this journey possible.

As you commemorate 25 years today, may the next 25 years be even more impactful — embracing emerging technologies, fostering innovation, promoting inclusion, and shaping a brighter, equitable future for India.

Let this silver jubilee be not just a celebration of the past — but a powerful reminder of your potential to architect India's future.

Thank you once again for this warm welcome and heartfelt hospitality.

Jai Hind.

INAUGURAL SESSION OF THE ALL INDIA VICE-CHANCELLORS CONFERENCE (2ND EDITION)

Sri Sathya Sai University for Human Excellence

Karnataka

8th July 2025

Namaskar!

- Respected Sadguru Sri Madhusudan Sai Ji,
- Hon'ble Vice-Chancellors and academic leaders from across India,
- Prof. V.N. Rajasekharan Pillai, Vice-President, AIU,
- Venerable Handapangoda Niwathapa Thero,
- Prof. Srikanta Murthy K, Vice-Chancellor, SSSUHE,
- Distinguished Guests, Scholars, Students, and Friends,

It is indeed a matter of great honour for me to be present here today at the 2nd edition of the All India Vice-Chancellors Conference, organized by the Sri Sathya Sai University for Human Excellence—a university that stands as a symbol of value-based education and holistic learning.

Let me begin by expressing my heartfelt appreciation to the organizers—especially the visionary Founder Chancellor, Sadguru Sri Madhusudan Sai Ji—for their unwavering commitment to redefining the purpose of education in India and the world. At a time when education is often seen as a means to employment alone, this university shines like a lighthouse reminding us that education is first and foremost a means to enlightenment, transformation, and service.

Tagore's Vision and Today's Reality

More than a hundred years ago, Gurudev Rabindranath Tagore dreamt of a nation “where the mind is without fear and the head is held high.” Yet, as the concept note rightly reflects, we find ourselves in a world fractured by conflict, burdened by environmental degradation, mental stress, and moral uncertainty. Technology has

made life faster, but not necessarily fuller. We have taught our students to connect across the globe but forgotten to teach them to connect to themselves.

In this context, the call for humane education is not only relevant—it is urgent.

Today, we must ask ourselves: *What kind of graduates are we producing?* Are they just skill-equipped, or also value-equipped? Are they informed, or truly transformed?

The goal of education is not merely the acquisition of knowledge—but the awakening of wisdom. Not just building careers—but building character. Not just producing professionals—but nurturing purposeful human beings.

In an age driven by technological acceleration, artificial intelligence, and digital transformation, it is essential that we, the academic fraternity, remain rooted in the core values of humanity. Education must be more than the transmission of information—it must be the transformation of the individual. It must awaken compassion, responsibility, integrity, and service.

At AICTE, we believe that technical and higher education must serve both the mind and the heart. Our vision for India's future engineers, managers, and researchers is not only to be skilled in technology, but also to be humane in their application, ethical in their choices, and empathetic in their leadership.

At AICTE, we have always believed that the mind and the machine must be balanced with the heart and the soul. This is why we have introduced:

- Induction Programs and Universal Human Values courses for first-year students across technical institutions;
- IDEA Labs and Innovation Cells to promote creativity alongside compassion;
- We have also launched a few schemes that integrate entrepreneurship, sustainability, and employability—but all rooted in the ethos of service to society.



- And are actively working to create an ecosystem where technical excellence is matched with ethical grounding.

The National Education Policy 2020 is a landmark reform that aligns perfectly with the ideals of humane education. It encourages multidisciplinary learning, Indian knowledge systems, holistic development, and ethical education. The time is ripe for universities to take the next step—from policy to practice, from vision to action.

With more than 25 million students currently in higher education, India holds the key to shaping a more harmonious and compassionate world order. If we succeed in igniting their hearts and minds with humane values, we can truly realize the vision of *Viksit Bharat@2047*.

Humanness, as beautifully elaborated in this conference theme, is not an imported skill but an inner truth—present in every human being. Education must become the tool that uncovers, nurtures, and expresses this inner core of compassion, truth, selflessness, and integrity.

From information to transformation—from external instruction to inner illumination—this is the paradigm shift we need.

As Vice-Chancellors and academic leaders, your role in shaping this transformation is pivotal. You are the custodians of India's youth—our future scientists, philosophers, teachers, leaders, and visionaries. The choices you make in curriculum design, institutional culture, faculty development, and innovation pathways will shape the moral compass and the intellectual strength of this nation.

This conference—this confluence of purpose—reminds us of a simple yet profound Sanskrit saying:

“Sanghe Shakti Kali Yuge” - In unity lies strength, especially in this age.

Let us unite—regulatory bodies, universities, government institutions, and spiritual organizations—to build a model of education that produces not just brilliant minds, but beautiful hearts.

Let every engineer be ethical, every doctor be compassionate, every manager be just, and every teacher be selfless. Let education not just prepare our youth for the world—but prepare the world for our youth.

As we look toward a Viksit Bharat @2047, let us remember that technology alone cannot transform the nation—it is the values with which we use technology that will determine our destiny.

I conclude by applauding the vision of Sadguru Sri Madhusudan Sai ji, whose tireless work in humanitarian missions, free education, and healthcare is a beacon of selfless leadership. This university stands as a living testimony to how education with values can transform individuals, and through them, society at large.

Let us carry forward the spirit of this conference into our own campuses and classrooms. Let us lead not just with minds of knowledge, but with hearts of wisdom.

Let me also congratulate the recipients of the Bharat Sanskriti Samman Awards—the best student, the best teacher, and the best Gurukulam. These recognitions are a reminder of the heights we can achieve when dedication meets values.

I once again congratulate Sri Sathya Sai University for Human Excellence for leading the way in reimagining higher education.

Wishing you all the best!

Thank You!

Jai Hind!



Tumkur University

Karnataka

8th July 2025

Namaskar!

Greetings to:

- Hon'ble Chancellor Shri Thawar Chand Gehlot Ji,
- Hon'ble Vice Chancellor, Prof. M. Venkateswarlu,
- Hon'ble Pro-Chancellor, Dr. M. C. Sudhakar
- Respected Members of the Senate and Syndicate,
- Esteemed Faculty Members,
- Dear Students, Proud Parents, Distinguished Guests, and Well-Wishers,

A very good morning to each one of you.

It is indeed an immense honour and privilege for me to stand before you today at this momentous occasion — the 18th Convocation of Tumkur University, a renowned institution that has, over the years, emerged as a pillar of academic excellence in Karnataka.

Let me begin by extending my heartiest congratulations to the graduating students. This is a proud moment for all of you —

the culmination of years of perseverance, discipline, late-night studies, campus experiences, and learning that will stay with you for life. My warmest greetings to the parents and families whose sacrifices, encouragement, and belief have been the backbone of these graduates. And a sincere salute to the faculty and staff of Tumkur University — your tireless mentoring and guidance have paved the way for this day of celebration.

I take this opportunity to commend Tumkur University for its progressive initiatives and inclusive approach to higher education. Established in 2004, the university has played a transformative role in uplifting rural and marginalized communities, especially the youth from agrarian and economically weaker backgrounds. I congratulate the leadership of the university for this visionary approach. Your commitment to academics, research, and social responsibility makes you not just a university, but a nurturing ground for future leaders and change-makers.

Dear graduates, while today marks the formal conferral of your degrees, let me remind you — this is not the end of your



journey, but the beginning of a greater one. Many of you may already have job offers or are aspiring to enter the workforce. Some of you may be preparing for higher studies or competitive exams. But let me urge you not to rush into anything simply because everyone else is. In this fast-paced world, we often get caught in the race for jobs and miss out on finding our true calling.

Take time to pause, reflect, and explore your potential. Ask yourself — what do I truly love doing? What am I good at? What value can I bring to society?

The Government of India and institutions like AICTE are creating a conducive ecosystem for young individuals like you to experiment, learn, and lead — whether it's through research, entrepreneurship, or community innovation.

Jobs are important, no doubt. But let me encourage you to also think about creating jobs, not just seeking them. India today is brimming with opportunities for entrepreneurship and innovation. We are home to the third-largest startup ecosystem in the world. If you have an idea, passion, and commitment — the ecosystem will support you.

Even if you take up a job, never stop exploring. Keep an eye open for opportunities where you can solve real-world problems, start something new, or collaborate for greater good. Be the job creators of tomorrow.

As we stand at the threshold of the Fourth Industrial Revolution, technologies like Artificial Intelligence, Machine Learning, Quantum Computing, and Cybersecurity are shaping the future of the world.

AI is powerful, but let me remind you — AI is not human. It lacks empathy, values, and ethical judgment. It cannot replicate human emotions, relationships, or conscience. You — the human being — are irreplaceable because of your creativity, compassion, and moral compass.

While we encourage you to adopt and explore these emerging technologies, we also expect you to use them ethically, responsibly, and inclusively.

This is the best time in Indian history to pursue your passion for innovation and social development. The government is investing heavily in schemes, fellowships, startup funds, and incubators. If you are willing to work hard, innovate, and contribute to nation-building — support will find you.

Let me elaborate on how AICTE — the All India Council for Technical Education — is playing a pivotal role in enabling and empowering you:

AICTE for Students: Every Talent, Every Dream

1. Working Professional Degree Programme:
2. For those who had to leave studies midway due to financial, personal, or social reasons — you now have a second chance. You can resume your education without leaving your job, through flexible, online, and hybrid modes.
3. Saraswati Scheme for Women:
4. A special scholarship scheme for girls pursuing BBA/BCA and allied professional courses. Empowering women to be part of India's digital and managerial revolution.
5. Pragati, Yashasvi, Swanath Scholarships:
6. Supporting economically weaker sections, single-parent children,



and those who have lost their parents during the pandemic. No dream should go unfulfilled due to lack of funds.

7. AICTE Productization Fellowship Scheme:
8. For innovators and tinkerers — if you have an idea and a prototype, AICTE will support you to scale it, refine it, and take it to the market.

AICTE for Faculty Members: Lifelong Learners & Leaders

1. FDPs in Emerging Areas:
2. Faculty Development Programmes in areas like AI, blockchain, semiconductors, and robotics — because teachers must lead the change in classrooms.
3. VAANI Scheme:
4. Supporting conferences, publications, and seminars in regional languages, to ensure inclusivity and outreach in native tongues.
5. AICTE Industry Fellowship Scheme:
6. A unique initiative where faculty members are sent to industries for hands-on exposure. They return enriched with practical experience — and a good stipend — and teach students with real-world insights.

AICTE's Message: We Have Something for Everyone

Whether you are a student, a teacher, a startup founder, or a researcher — if you are

serious, sincere, and striving — AICTE has a scheme for you.

I urge all of you to visit our website, explore our scholarship and fellowship portals, and take advantage of the opportunities we offer. But remember — you must take the first step. Initiative, discipline, and dedication are the only prerequisites.

Dear students, the world is changing rapidly. What you know today may be outdated tomorrow. You must continuously upskill and reskill yourselves to remain relevant, adaptable, and competitive.

Don't be afraid to start small. Success is not instant. Growth is not linear. Be patient. Keep learning. Keep experimenting. Keep evolving.

Let your life be driven by purpose, not pressure. Let your work reflect passion, not compulsion. Let your dreams serve society, not just self-interest.

As you step out of the gates of Tumkur University today, remember — you carry with you the hopes of your family, the pride of your university, and the promise of this nation.

May you live a life that is meaningful, impactful, and fulfilling. May you uphold the values of empathy, ethics, and excellence. And may you always stay grounded, grateful, and growing.

Thank you, and once again — Congratulations to all the graduates!

Jai Hind.

GRADUATION DAY

Vivekanandha College of Engineering for Women

Tiruchengode, Namakkal, Tamil Nadu

11th July 2025

Vanakkam and warm greetings to everyone present here!

Honourable Members of the Management, Respected Principal, Esteemed Faculty, Distinguished Guests, Proud Parents, and my Dear Graduating Students,

I am extremely delighted to attend the momentous occasion of the 20th Graduation Day Ceremony of the

Vivekanandha College of Engineering for Women, Tiruchengode. I congratulate all the young women who are stepping into a new world with aspirations, dreams, and a strong foundation of knowledge and values.

First and foremost, I extend my heartfelt congratulations to each of the graduating students. You are the pride of your families,



your institution, your community—and indeed, of our nation. Today is a celebration of your hard work, your determination, and the countless sacrifices you and your families have made to reach this day. I also salute the faculty members and parents who have guided and supported you through this transformative journey.

As I look around this vibrant campus and witness the confidence and enthusiasm in your eyes, I am filled with great optimism for the future of India. Vivekanandha Educational Institutions, with over 20,000 girls enrolled across its 24 institutions—ranging from schools to professional colleges in medicine, engineering, management, and more—stand as a true symbol of women’s empowerment through education.

It is truly commendable that more than 14,500 engineering graduates have emerged from this institution, and that 70% of them are first-generation learners—many from rural areas who overcame

barriers and stereotypes to carve a new path for themselves and for those who follow. This is not just education; this is nation-building.

The role your institution has played in supporting the “Beti Bachao, Beti Padhao” movement deserves special recognition. In a society that is striving toward gender equity and inclusive development, your consistent efforts to educate, empower, and elevate young women through high-quality technical education have set a remarkable example for the entire country.

I am particularly pleased to note that you are the first women’s engineering college in India to establish the AICTE-IDEA Lab, an initiative close to my heart that fosters innovation, creativity, and real-world problem-solving. I also congratulate you for receiving the ISTE National Award for the Best Women Engineering College in India in 2018—a testimony to your pioneering leadership in advancing technical education for women.





To the graduates—

As you receive your degrees today, remember that this is not the end of your learning journey. Rather, it is a new beginning. A degree is not just a piece of paper—it is a responsibility, a promise, and a passport to make a difference in the world.

Engineering is not just about passing exams or landing a job. It is about understanding the needs of society, about thinking critically, and about creating solutions that are sustainable, inclusive, and impactful. Whether it is Artificial Intelligence, space exploration, renewable energy, climate action, or healthcare innovation—the world needs engineers who are not only skilled but also socially conscious, ethical, and empathetic.

In the fast-changing world of the 21st century, technology is transforming every aspect of life, but the real transformation will come from individuals like you—who combine knowledge with purpose, skills with empathy, and ambition with integrity.

At AICTE, we are actively implementing the National Education Policy 2020, ensuring flexibility, innovation, and inclusivity in technical education. We have introduced multiple entry and exit options, Academic Bank of Credits, skill development programs, entrepreneurship fellowships, and internship opportunities, particularly with a focus on women, rural, and economically weaker sections. These reforms aim to ensure that no student is left behind, and every learner is empowered to reach their full potential.

Dear students, as you step into the world beyond these gates, I encourage you—

- To keep learning.
- To believe in yourself.
- To take risks and embrace failure as part of the process.
- To find your passion and not rush into the race for a job—instead, find where your strengths and dreams align.
- And most importantly, to give back to the society that nurtured you.



The world outside may test you in unexpected ways. But remember the words of Swami Vivekananda, whose name this great institution bears:

“Take up one idea. Make that one idea your life—think of it, dream of it, live on that idea... This is the way to success.”

You are now part of a legacy—a legacy of empowered women engineers who are changing their families, communities, and the world. Be proud of your journey and use your knowledge for constructive, inclusive, and transformative growth.

In closing, I would like to commend the management of Vivekanandha Educational Institutions for their visionary leadership, the faculty for their academic commitment, and the parents for believing in the power of education for their daughters.

May each one of you graduating today become a torchbearer of change, a symbol of resilience, and a voice for innovation with compassion.

Congratulations once again, and I wish you a future filled with purpose, progress, and prosperity.

Thank you. Jai Hind!



7TH GRADUATION DAY

PSNA College of Engineering and Technology (Autonomous)

Dindigul, Tamil Nadu

12th July 2025

Vanakkam and warm greetings to all!

It is truly an honour and a privilege to be here with you today at PSNA College of Engineering and Technology, a reputed institution that has carved a distinct niche in the domain of technical education in Tamil Nadu and beyond. I extend my heartfelt thanks to the management, respected Principal, dedicated faculty members, and the organizing committee for inviting me to be part of this memorable occasion—your 7th Graduation Day Ceremony.

First and foremost, I convey my heartiest congratulations to all the graduating students. This day marks a culmination of your perseverance, your dreams, and your relentless pursuit of knowledge. You have successfully completed a significant milestone in your life's journey, and I must also extend my deepest appreciation to your parents, guardians, and teachers, who have been the silent yet strongest pillars of support in shaping your journey so far.

Today is not just a day of celebration, but also one of reflection and anticipation. As you wear the graduation cap and receive your degree, remember, it is not the end of learning—it is the beginning of a lifelong journey of exploration, innovation, and personal growth.

I am particularly delighted to note that PSNA College of Engineering and Technology has been at the forefront of quality technical education since its inception. With its autonomous status, NBA-accredited programmes, NAAC A+ grade, and strong industry connections, PSNA stands tall as a model institution producing not just engineers, but responsible global citizens. The college's consistent academic excellence, emphasis on innovation, research, and skill-based education, and its proactive adoption of NEP 2020 guidelines make it a valued contributor to our nation's progress.



My dear students, the degree you receive today is a recognition of your academic effort, but remember, in real life, degrees are just the foundation. What truly matters is how you continue to learn, unlearn, and relearn in the ever-changing world we live in.

We are in the midst of the Fourth Industrial Revolution, marked by AI, machine learning, robotics, IoT, and quantum computing. In such a scenario, skilling, upskilling, and reskilling are not optional—they are essential. I urge you to continue sharpening your skills, stay curious, and be adaptable. Take online certifications, attend workshops, be part of innovation networks, and engage with real-world challenges. Platforms like SWAYAM, National Internship Portal, NEAT 3.0, and IDEA Labs supported by AICTE are designed to keep your learning journey alive beyond college.

While technical competence will take you far, your attitude, ethics, and empathy will determine how high you rise. The world needs not just brilliant engineers but also ethical leaders, honest entrepreneurs, empathetic innovators, and socially responsible citizens.

In a world of increasing automation, it is your human values—integrity, compassion, humility, and respect for others—that will distinguish you. Whether you choose to work in a corporation, start your own venture, or pursue higher studies, always carry these values with you.

As engineers and technologists, you will have the power to build, transform, and solve real-world problems. Use that power wisely. Make decisions that are not only smart but also sustainable, inclusive, and ethical. Remember, the true purpose of education is not just to earn a livelihood, but to live a meaningful life and contribute to society.

As we march towards becoming a developed nation by 2047, your role is going to be pivotal. India is not just a land of opportunities—it is a canvas for you to innovate, lead, and give back. Be the change-makers in rural innovation, clean energy, sustainable cities, affordable healthcare, and digital transformation. We at AICTE are committed to supporting such visions through schemes like YUKTI Innovation Platform, AICTE-IDEA Labs,

ATAL FDPs, PMKVY for skilling, and fellowships for productization.

Don't wait for opportunities—create them. Don't chase jobs blindly—build your path with purpose.

To the respected faculty members of PSNA, I express my gratitude for your commitment to grooming the next generation of technocrats and leaders. It is your tireless mentoring, teaching, and encouragement that has enabled these young minds to succeed.

To the management and leadership of the college, thank you for your visionary outlook and for aligning your institution with national goals. Your focus on research, innovation, entrepreneurship, and employability is commendable and reflects the true spirit of 'Viksit Bharat'.

Graduating students, as you step into the world, remember: Growth is not a destination; it is a mindset. Stay grounded, stay curious, and stay committed. Don't be in a hurry. Give yourself time to understand your inner calling. Discover what gives you purpose and fulfillment. And when you succeed—and you will—reach back and lift others.

Be the engineers who don't just design buildings, but build societies. Be the innovators who don't just chase profit, but drive impact. And above all, be the citizens who don't just ask what India can give you, but what you can give to India.

Once again, congratulations to all the graduates. May your future be bright, your journey meaningful, and your contributions invaluable.

Jai Hind!



YOUTH SKILL

15, India International Centre,
The Making You



ORGANIZED BY W-AHEAD

World Youth Skills Day 2025

**National Seminar on “Unlocking the Potential
of Higher Technical Education for Viksit
Bharat@2047 – The Transformative Potential
of Green Technologies and Digital Skills”**

India International Centre, New Delhi

15th July 2025

Namaskar!

Greetings to:

- Hon'ble Dr. V.K. Saraswat, Member, NITI Aayog,
- Mr. Shombi Sharp, UN Resident Coordinator in India,
- Distinguished academicians, industry leaders, delegates, and my dear young friends,

It is truly a pleasure and an honour to be present here for the celebration of *World Youth Skills Day 2025*, organized by the World Academy of Higher Education and Development – W-AHEAD. I congratulate the organisers for choosing a profoundly relevant theme: “Unlocking the Potential of Higher Technical Education for Viksit Bharat@2047 – The Transformative Potential of Green Technologies and Digital Skills.”

When we speak of India's potential, we speak of a force that is vast, vibrant, and deeply rooted in our civilisational ethos. As a nation, we possess an extraordinary capacity to innovate, to learn, to build, and to deliver—across disciplines, across



generations. Time and again, India has demonstrated its potential—not just in the pages of history, but also in the promise of our present and the unfolding of our future.

What makes India truly unique on the global stage is the confluence of strong values, an indomitable work ethic, and an innate sense of empathy and ethics. These qualities are not coincidental—they are ingrained in our very fabric, passed down through generations. It is in our genetic makeup, our cultural inheritance. Our ancestors were not just inhabitants of this land—they were contributors to global civilisation.

From ancient times, India has enriched the world with its abundance—milk, grains, spices, textiles, gems, and knowledge systems. We have been a cradle of education and innovation, home to great universities like Nalanda and Takshashila, spiritual wisdom like Yoga, and scientific

advancements in mathematics, astronomy, and medicine.

Our architecture—especially the magnificent temples of South India—stands as a testament to our advanced understanding of engineering, geometry, and aesthetic brilliance. These were not just structures—they were technological marvels of their time, designed with precision, harmony, and purpose. What we now marvel at as heritage were, in their own time, breakthroughs in innovation.

And just as those achievements inspire us today, the work we do now—our innovations, discoveries, and contributions—will become the marvels of tomorrow. In the next 50 to 100 years, it will be today's youth who will astonish future generations with their creativity, their resilience, and their accomplishments. They are the architects of India@2047, and beyond.





In today's era, where technology is evolving at an unprecedented pace, we must remember: it is not technology alone that defines a nation's success, but how we use that technology to solve real-world problems, empower communities, and uplift humanity. This is where the potential of India lies—not just in machines and codes, but in the minds and hearts of our young people.

At the heart of India's aspiration to become a developed nation by 2047 lies one undeniable truth—the power of our youth. And that power can only be fully realized when our youth are equipped with the right skills, values, and mindset to navigate a rapidly evolving technological and socio-economic landscape.

Today's seminar focuses on two of the most defining forces of our era—green technologies and digital skills. Both are not just engines of growth but also tools of empowerment. Green technologies are key to ensuring environmental sustainability and responsible industrialization, while digital skills open the gateways to knowledge, innovation, entrepreneurship, and global engagement.

At AICTE, we are deeply committed to transforming technical education to align with the future of work. Through initiatives such as the AICTE IDEA Labs, Virtual Internships, NEP-aligned model curricula, and entrepreneurship development programs, we aim to foster a learning ecosystem that is hands-on, future-ready, and inclusive.

We have also prioritized flexibility in education through Multiple Entry and Exit options, Academic Bank of Credits, and industry-academia collaboration, enabling students to chart their own educational journeys. Our skilling ecosystem is being revamped to include AI and emerging technologies, climate innovation, sustainability practices, and circular economy principles.

The Government of India's vision for *Viksit Bharat@2047* depends heavily on how effectively we integrate technical education with national priorities—clean energy, smart infrastructure, digital economy, and sustainable development. But this vision also depends on you—our students, educators, institutions, and industry collaborators—to become active contributors and not just beneficiaries.

Let us remember that skills are not merely about employment—they are about empowerment. They provide dignity, self-reliance, and the ability to shape one's destiny. On this World Youth Skills Day, I urge every young Indian to embrace the spirit of innovation, sustainability, and lifelong learning.

Let us then empower our youth—not just with knowledge, but with vision, purpose, and values. Let us create ecosystems that nurture critical thinking, sustainability, digital fluency, and innovation. And above all, let us instill in them a deep sense of responsibility to build a better, more inclusive, and prosperous India.

Before I conclude, I would like to thank W-AHEAD and Prof. HRP Yadav for this prestigious platform and for honouring professionals who have made remarkable contributions to the world of education, research, and industrial progress. I extend my best wishes to all the Fellows being felicitated today—your achievements inspire generations to come.

Let us move forward with resolve, with purpose, and with unity to build a Viksit Bharat where skills shape success, technology powers transformation, and youth lead the way.

Thank you.

Jai Hind.



Intel® Unnati: AI Pragati

New Delhi

16 July, 2025

Respected dignitaries from Intel and HPE, esteemed academicians, members from industry and government, innovators, educators, and dear students,

Namaskar and warm greetings to all.

It is indeed a privilege and an honour to be part of *Intel® Unnati: AI Pragati*, a landmark initiative that exemplifies the synergy between cutting-edge technology and the nation's academic aspirations. I extend my heartfelt congratulations to Intel India, Hewlett Packard Enterprise (HPE), and all the collaborators for organizing this visionary summit. Today's gathering, with its singular focus on the themes of *Artificial Intelligence (AI)*, *High-Performance Computing (HPC)*, *Cyber Security*, and *Data-Centric Infrastructure*, marks a significant moment in India's journey toward educational and technological excellence.

Friends, we live in an era where *data is the new oil*, *AI is the new electricity*, and *digital is the new default*. The digital transformation sweeping across industries and societies is reshaping how we work, learn, govern, and innovate. AI today is not just a buzzword—it is embedded in healthcare diagnostics, autonomous vehicles, precision agriculture, financial modelling, and climate change

predictions. The same applies to HPC, which is pivotal for simulation-based research, real-time analytics, and national security.

According to the *National Strategy for AI* released by NITI Aayog, AI has the potential to add \$1 trillion to India's economy by 2035. The opportunities are immense—but so are the challenges. The *skills gap* in this sector is perhaps one of the most critical bottlenecks we face.

This is where initiatives like Intel® Unnati hold profound relevance. Intel's vision, to empower higher education institutions—especially in Tier 2 and Tier 3 cities—with state-of-the-art lab infrastructure, curated courses, and hands-on skilling, aligns seamlessly with AICTE's core mission.

The Intel® Unnati Program is not just about hardware or labs. It is a movement to democratize access to future technologies. I am happy to note that over 250+ institutions have adopted 300+ labs through this program, impacting over 70,000 students and faculty. This is inclusive innovation in action. By targeting lesser-served geographies, Intel is not only enabling access but also creating *aspiration*.

As Chairman of AICTE, I strongly believe that capacity-building is a

multi-dimensional exercise—it involves infrastructure, curriculum innovation, faculty training, industry engagement, and above all, *student empowerment*. This is exactly what Intel Unnati facilitates through its multi-pronged model of infrastructure, academic content, industry-led workshops, innovation challenges, and community-building.

The National Education Policy (NEP) 2020, which I often call the *most transformative education reform since independence*, encourages flexibility, holistic development, and a research-oriented mindset. It champions multidisciplinary learning, skill-based education, and the use of technology for equity and inclusion.

Intel's initiative is beautifully aligned with this vision. The provision of multidisciplinary Unnati Labs that integrate AI, Generative AI, Confidential Computing, and HPC—

cater to the very idea of convergence that NEP 2020 promotes.

Moreover, the Intel-certified Generative AI Course, designed in collaboration with premier institutions like IISc and IITs, is another example of fostering high-quality content that meets industry expectations while ensuring academic rigour.

Ladies and gentlemen, for India to emerge as the global epicenter of the digital economy, *no single stakeholder can do it alone*. Government policies, academic ecosystems, and industry leadership must work in tandem.

Public-private partnerships (PPPs), such as AICTE's collaborations with Intel, IBM, NASSCOM, and others, have opened up internships, remote labs, online courses, and entrepreneurship opportunities for lakhs of students. These collaborations are not transactional—they are transformational.



At AICTE, we have championed this model through schemes like:

- AICTE IDEA Labs, promoting tinkering and design thinking,
- AICTE Virtual Labs, providing simulation-based learning,
- AICTE Ed-Tech Platforms, offering open-access skilling content,
- Internship Portals, where industry offers real projects to students.

Intel Unnati, in this landscape, becomes a *model example* of what industry-led academic innovation should look like.

At AICTE, we have been relentlessly working to nurture a future-ready, ethical, and employable technical workforce. Some of our strategic interventions include:

- Revised Model Curriculum in sync with emerging technologies and industry needs.
- Mandatory internships, even in the first year, to give exposure to real-world applications.
- Academic Bank of Credits, allowing flexibility and mobility in learning pathways.
- Outcome-Based Education (OBE), where quality and competence matter more than rote learning.
- Hands on experience through Academia-Industry collaborations

All these initiatives converge with Intel Unnati's philosophy—learning by doing, access to emerging technologies, and preparing students for the jobs of tomorrow, many of which don't even exist today.

One of the most heartening aspects of Intel's efforts is the *focus on Tier 2 and Tier 3 cities*. This is crucial.



As a country, we cannot have islands of excellence in metros while large parts of India struggle with digital exclusion. If India must lead the AI revolution, then Bihar, Assam, Odisha, UP, and the North East must be at the table with Karnataka, Maharashtra, and Tamil Nadu.

Unnati ensures that the next generation of engineers in Bairaich and Bhagalpur have the same exposure to AI as their peers in Bengaluru or Boston.

Friends, this is *India's moment*. With one of the youngest populations in the world, a vibrant start-up ecosystem, and proactive policy push from the government, we are on the cusp of greatness.

AI is not just about automation; it is about augmentation—enhancing human potential.

HPC is not just about speed; it is about solving problems we once thought were unsolvable.

Cybersecurity is not just about protection; it is about building trust in the digital age.



Data-centric systems are not about surveillance; they are about making evidence-based decisions for inclusive growth.

Our challenge, therefore, is not merely technological—it is educational, ethical, and infrastructural. And we must rise to meet it, together.

To all academic institutions present here, I urge you to leverage platforms like Intel® Unnati. Make your campuses living labs of learning. Involve faculty in continuous learning. Enable students to go beyond textbooks and build real-world solutions.

To industry, I say—invest in education, not as CSR, but as a strategic necessity. The future workforce is being shaped today in classrooms across the nation.

To students—I encourage you to be curious, courageous, and compassionate. Learn AI, but also understand the social implications of automation. Code with purpose. Innovate with empathy.

In conclusion, Intel® Unnati: AI Pragati is not just a conference—it is a call to reimagine the future of Indian education. It reminds us that the path to becoming *Viksit Bharat@2047* will be paved not just by policies and investments, but by ideas, partnerships, and the unwavering resolve to empower every student, everywhere.

Let us not merely keep up with the pace of technological change—let us shape it.

Let us not simply adopt AI and HPC—let us innovate in ways that serve our society.

Let us not wait for the future—let us build it.

Thank you, Intel and HPE, for bringing this vision to life. And thank you all for being a part of this transformative journey.

Jai Hind.

Miranda House, University of Delhi

VALEDICTORY CEREMONY OF THE SUMMER INTERNSHIP PROGRAM

New Delhi

17th July 2025

Namaskar!

Good morning everyone!

Greetings to:

- Prof. Bijayalaxmi Nanda, Principal Miranda House
- Prof. G. Gopal Reddy, Chairperson, Miranda House
- Distinguished Faculty Members,
- Esteemed Coordinators of the D.S. Kothari Centre for Research and Innovation in Science Education,
- My Young Friends—the brilliant interns who have walked this wonderful academic journey over the past six weeks—and all guests present today,

“Swadhyayann pramaditavyam” — Let there be no neglect of self-learning.

It gives me immense joy and pride to stand before you on this momentous occasion. The Valedictory Ceremony of a program like this is not merely a closure—it is a celebration

of curiosity, creativity, learning, and self-discovery. My warm congratulations to each and every participant of this transformative journey called *Flavour of Research in a Multidisciplinary Context*.

Let me first express my deep appreciation to Miranda House—one of the most iconic institutions of higher education in India. This college is not just a physical campus with lecture halls, labs, and libraries—it is a living embodiment of dreams, determination, and dignity. It is a name synonymous with academic excellence, integrity, women’s empowerment, and nation-building.

Miranda House

Established at the dawn of India’s independence, Miranda House was a bold and visionary initiative—designed to redefine the contours of women’s education in a nascent democracy. It was more than a college; it was a declaration that the women of India were ready to lead, learn, and transform.

The pioneering faculty who laid its foundation were not merely educators—they were path-breakers. These women were fiercely independent, academically rigorous, and deeply committed to instilling values alongside knowledge. They were steeped in idealism and passionate about building a nation where women stood shoulder to shoulder with men, in every sphere of life.

Over nearly seven decades, Miranda House has grown from strength to strength, nurturing generations of women who have gone on to become leaders in politics, science, law, education, literature, diplomacy, civil services, and countless other domains. Its alumni are among the brightest stars in India's intellectual galaxy. They carry forward a powerful legacy—of scholarship, courage, innovation, and service to society.

The D.S. Kothari Centre for Research and Innovation in Science Education (DSKC)

at Miranda House deserves special appreciation. This six-week Summer Internship Program on *Flavour of Research in a Multidisciplinary Context* is truly a national model. Welcoming over 480 students from all over the country across diverse fields—Physics, Chemistry, Botany, Zoology, Computer Science, Mathematics, Geography, and Political Science—it embodies the spirit of NEP 2020: multidisciplinary, research orientation, and holistic learning.

To all the interns here today—I want to say this: what you have done over these six weeks is not just a project. It is a stepping stone into the world of innovation, critical thinking, and lifelong inquiry. You are not just learning how to research; you are learning how to ask the right questions.

You are developing the mindset that seeks knowledge not just for exams, but for exploration; not just for marks, but for meaning.



NEP

Dear students, I would like to bring your attention to the education reform—The National Education Policy (NEP) 2020, which is one of the most transformative educational reforms India has witnessed in recent decades. It aims to break the rigid silos of traditional education and replace them with a flexible, learner-centric approach rooted in holistic development, critical thinking, creativity, and lifelong learning. The policy envisions a new India—an India where students have the autonomy to chart their educational journeys through multiple entry and exit points, interdisciplinary choices, and a strong emphasis on foundational skills and conceptual understanding.

NEP promotes a culture of research and innovation. It understands that education in the 21st century cannot be static. With the world changing rapidly due to technology, globalisation, and shifting societal needs, our curriculum, pedagogy, and assessment models must evolve accordingly. The policy's focus on early childhood education, the integration of vocational education from school onwards, and the adoption of technology in teaching and learning is a testament to its forward-thinking design.

I also want you to understand that multidisciplinary is at the heart of modern education. It represents the breaking down of artificial barriers between disciplines to create more holistic, flexible, and impactful learning experiences. In a world where the biggest challenges—climate change, pandemics, social justice—are complex and interconnected, no single field holds all the answers.

NEP 2020 strongly advocates for multidisciplinary education, encouraging students to explore subjects beyond their

core disciplines. Institutions are urged to become multi-disciplinary hubs, offering combinations like science with music, or technology with humanities. This prepares students to think broadly and develop skills that are both deep and wide.

Multidisciplinary also supports creativity. When a political science student understands data visualization, or a botanist appreciates philosophical inquiry, new ideas bloom. The cross-pollination of knowledge leads to breakthrough innovations and a more empathetic, comprehensive understanding of the world.

AI

As we talk of rapid technology advancements, it becomes very important to talk about Artificial Intelligence, which is often referred to as the “new electricity” because of its transformative potential. Just as electricity revolutionized every industry it touched in the 20th century, AI is now doing the same in the 21st century. From healthcare to agriculture, education to logistics, AI is revolutionizing how we think, work, and innovate.

AI is not merely a tool of automation—it is an enabler of human creativity. Recognizing the importance of this technology, AICTE declared 2025 as the Year of AI. Under this banner, we worked to integrate AI-related modules across engineering and applied science curricula.

Artificial Intelligence is undoubtedly one of the most transformative technologies of our time. While some may view it with apprehension—fearing job losses or depersonalization of work—it is important to understand that AI, like computers and mobile phones, is a tool *created by humans for humans*. Just as we once adapted to the internet and smartphones, we will

also adapt to AI. It is not here to replace us, but to assist, augment, and amplify our capabilities. Used wisely, AI can empower us to solve complex problems, increase productivity, and personalize learning and healthcare. It can be a force for immense good.

However, with great power comes great responsibility. As we integrate AI into more areas of our lives, we must also be vigilant about its ethical use. Data privacy, bias in algorithms, misinformation, and the misuse of AI for manipulation are real concerns that we must address. That's why awareness and education around AI ethics is essential—especially for young women who are entering diverse fields as researchers, leaders, developers, and policymakers. As women, I urge each one of you to be mindful not only of the opportunities AI offers, but also of its potential for misuse. Let us be not just users, but conscious, informed, and ethical stewards of this powerful technology.

Use AI as a tool for your growth, learning, and well-being. Let it help you find internships, enhance your research, learn new skills, and build solutions that uplift communities. With the right mindset, you can lead the change—not just by using AI, but by shaping how it is used for a better, fairer, and more inclusive world.

You must become AI-literate, no matter your discipline. Understand how it works. Be curious about its implications—ethical, social, economic. Learn how to collaborate with machines, not just humans. Because in the near future, every job will be a tech job, and every leader will need tech awareness.

AI should not be viewed as a distant, technical phenomenon. Instead, it must be embraced as a foundational component of modern knowledge. Whether you're a

student of political science analysing voter data or a biologist studying gene patterns, AI will be your essential companion.

Self learning

With such advancements in technologies quite rapidly, it is important to adapt to self-learning. It is not just a skill—it is a superpower in the 21st century. In an age where technology evolves every few months and information is available at our fingertips, the ability to learn independently is what sets apart successful individuals.

The Upanishadic principle of “Swadhyayann pramaditavyam” — do not neglect self-learning — resonates deeply with this era of knowledge abundance. The modern learner must be proactive, resourceful, and reflective. They must take ownership of their learning journeys, seeking knowledge not just to pass exams but to solve problems and add value.

AICTE promotes self-learning through MOOCs, SWAYAM courses, virtual labs, and open education resources. These platforms empower students to go beyond the classroom and learn at their own pace. Institutions are also encouraged to use flipped classroom models where students study independently and use classroom time for discussions and problem-solving.

Apart from self-learning, collaborative learning is equally important. Or I can phrase it as collaboration is the new currency of growth. No great idea, innovation, or movement happens in isolation. Collaborative learning brings together people of diverse backgrounds to exchange ideas, debate, co-create, and grow together.

NEP 2020 emphasises the role of peer learning, team-based projects, and group discussions. Collaborative learning not only



helps in better understanding of concepts but also builds essential life skills—communication, empathy, leadership, and conflict resolution.

In a diverse country like India, learning collaboratively also fosters inclusiveness and unity. When students from different regions, languages, and cultures come together, they enrich each other's lives and perspectives.

Today, having a degree alone is not enough. The job market demands skills—technical, digital, analytical, and human. As the nature of work changes, students must constantly acquire new competencies.

Skilling refers to acquiring these essential skills. Upskilling is the process of continuously upgrading them to meet evolving standards. AICTE has launched numerous initiatives to bridge the skill gap. Our National Internship Portal, Placement Portal, and Career Portal connect students to real-world experiences, courses, jobs, and mentors.

At AICTE, we are committed to creating platforms that enable students like you to continuously evolve, engage, and excel.

I urge you to make full use of three important AICTE portals:

1. AICTE Internship Portal - This national platform connects students with meaningful internship opportunities across industries, startups, research institutions, and NGOs. It aligns with the National Education Policy's emphasis on hands-on learning.
2. AICTE Placement Portal - Developed to help graduating students from AICTE-approved institutions find placement opportunities that suit their skills and ambitions. It is industry-linked and updated frequently with job listings.
3. AICTE Career Portal - This is a one-stop platform for career

guidance, skill development resources, and mentorship. It features aptitude tests, resume-building tools, and expert webinars for students looking to design their career pathways.

These portals are not just digital tools; they are bridges between education and employment, between classroom learning and real-world application. I invite Miranda House and DSKC to collaborate with us to scale these platforms further—so more students, especially young women, can benefit.

AICTE also partners with industry to offer hands-on training in emerging technologies. Initiatives like the AICTE-IBM SkillsBuild platform and internships supported by Ansys, Wadhvani Foundation, and Midas provide learners with industry-grade exposure.

Continuous Learning

Finally, we must embrace continuous learning as a way of life. The most successful individuals are those who remain students

forever. Lifelong learning is no longer a choice; it is a requirement.

The world is changing too fast for static knowledge. Technologies become outdated. Industries evolve. Skills are replaced. In such a world, your ability to adapt becomes your biggest strength.

Continuous learning is about staying curious. It's about reading books outside your syllabus, watching lectures from global experts, picking up new languages, learning to code, or attending workshops in unrelated fields. AICTE encourages this mindset through regular faculty development programs, online certification courses, and global academic collaborations.

As women of Miranda House—leaders, thinkers, and builders of tomorrow—I urge you to never let your learning curve flatten. Keep growing, evolving, and reaching for higher horizons. For when women learn, families transform, communities rise, and nations prosper.

Role of women in Nation Building

Dear young scholars, I want to talk to you today about a deeper calling—a higher purpose—the role of women in nation building.

History has shown us that no society can progress by leaving half of its population behind. And no country can become a Viksit Bharat by 2047 without the active, empowered, and inspired participation of its women.

From Rani Lakshmibai to Sarojini Naidu, from Dr. Muthulakshmi Reddy to Kalpana Chawla, from Dr. Indira Hinduja to Sudha Murty—India's women have always stood tall as the conscience, courage, and



creativity of our civilization.

You, the daughters of this great country, are the architects of its future.

I urge you to believe in the power of your intellect, your empathy, your discipline, your daring, and your dreams.

We need you in our classrooms as teachers, in our laboratories as scientists, in our parliaments as lawmakers, in our villages as change-makers, in our startups as entrepreneurs, and in our skies as astronauts.

You are not the future leaders. You are leaders already.

And leadership is not a title; it is a mindset.

As you move ahead, remember:

- You are not just competing in the world; you are creating a new one.
- You are not just representing Miranda House or Delhi University—you are representing the dreams of millions of young girls who want to rise.
- You are not just writing research papers—you are scripting history.

Hold your head high and speak with clarity.

Let your work echo with sincerity.

Let your decisions reflect courage.

Let your life inspire others.

The Upanishadic maxim that adorns the college's emblem—"Swadhyayann pramaditavyam"—"Let there be no neglect of self-learning," is not a slogan. It is a philosophy. A life principle.

In this age of AI, automation, and ever-changing career landscapes, the ability to self-learn will be your greatest asset.

Never stop learning. Never stop questioning. Never stop evolving.

It is no coincidence that this program is named *Flavour of Research*. For India to become a global knowledge superpower, we must create a culture where research is not seen as a post-graduate luxury but as an undergraduate norm.

Miranda House has shown us that this is possible.

As I stand here in this college of pioneers and path-makers, I am filled with optimism.

Because I see in your eyes the fire of potential.

I see in your minds the clarity of vision.

And I see in your hearts the commitment to building not just careers—but a better country.

Let us commit ourselves today:

- To empower every girl with access to quality education.
- To encourage research, innovation, and entrepreneurship among young women.
- To remove the barriers—mental, social, and institutional—that hold women back.
- And to build an India where every woman is free to dream, to do, and to lead.

Let me end by quoting Swami Vivekananda, whose words continue to inspire us all:

"There is no chance for the welfare of the world unless the condition of women is improved."

Thank you, Miranda House, for being that change.

Thank you, dear students, for being the future.

Jai Hind. Jai Bharat.

Thank you once again.



Anurag University

Hyderabad

19th July 2025

Namaskar!

Greetings to:

- Hon'ble Vice Chancellor, Dr. Archana Mantri
- esteemed faculty members, proud parents, dear graduating students, and distinguished guests,

It is indeed a moment of immense honor and joy for me to be with you today at the 2nd Annual Convocation of Anurag University.

Let me begin by extending my heartiest congratulations to all the graduates of the Class of 2025. Today is a milestone that marks the culmination of your years of hard work, commitment, and growth. But let me also remind you—it is not the end. It is just the beginning of a more significant journey, a journey into the real world where knowledge meets responsibility, and learning meets action.

Until now, your life revolved around classrooms, assignments, laboratories, projects, friends, and faculty. It was a phase of gaining—of receiving wisdom, building skills, understanding concepts. But now begins your real test—not of memory or marks—but of values, resilience, leadership, and your ability to impact society positively.

Let me tell you this: degrees do not define success. What defines success is how you apply what you've learned. You may walk out of this campus today with a degree in hand, but never walk out without a sense of purpose.

The 21st century India that you're stepping into is full of complexities—but also full of immense opportunities. In a world that is changing by the minute, the one who continues to learn will lead. Never stop learning. Never believe that your education ends here. In fact, it has only begun. Self-learning and lifelong learning are no longer optional—they are essential.

Today, the world does not operate in silos. The problems of today—be it climate change, smart cities, public health, digital finance, or space exploration—require solutions that cut across disciplines.

That's why the New Education Policy 2020 emphasizes multidisciplinary education—where engineers learn ethics, managers understand psychology, and scientists appreciate literature.

So I urge you all—step out of your comfort zones. Don't limit yourself to what your degree says. Explore ideas outside your domain. Be curious. Be bold. Learn something new every day—coding,

entrepreneurship, AI, a new language, or even a musical instrument. Learning is the only luxury that compounds with time.

Dear graduates, you are stepping into a world that is volatile, unpredictable, and yet full of promise. The half-life of knowledge is shrinking. What was cutting-edge technology five years ago is now obsolete.

So what should you do?

Upskill and reskill. Make it a habit. Learn new tools, platforms, frameworks. Follow industry trends. Embrace digital platforms, and never be afraid to start from scratch.

And remember—don't just learn for jobs. Learn to solve problems, to start enterprises, to create value, and to lead change.

India does not just need job seekers—we need **job creators**. I want each of you to believe in your potential to be innovators, entrepreneurs, and changemakers.

Step out of your cocoons. Think beyond the predictable. Dare to reimagine the ordinary,

to disrupt the status quo, to build products and services that matter.

Anurag University has already created a thriving environment for entrepreneurship and innovation. Build on that. Make use of government schemes, incubation centres, fellowships, and global platforms to turn your ideas into impactful ventures.

You are the torchbearers of India's Atmanirbhar Bharat vision. Dream of a self-reliant India—and build for it.

Acknowledging the Pillars Behind You

Let me take a moment to recognize the true heroes behind your success—your parents and guardians. Their silent sacrifices, sleepless nights, and endless encouragement have been the wind beneath your wings. Let's give them a big round of applause—they deserve every bit of this celebration.



And then, of course, your teachers and mentors—the ones who planted the seeds of inquiry, who shaped your thinking, and who believed in you even when you doubted yourself. Their role is truly epitomic and transformative.

India in the Global Race

Today, we live in the 21st century, but let me remind you—the world is already thinking far ahead. Developed nations are innovating in areas that might seem futuristic to us—quantum computing, neuro-interfaces, autonomous systems, regenerative medicine, interplanetary travel.

If we, as a nation, have to catch up and lead, we need visionaries like you. We need youth who are not just aware of these trends, but are ready to contribute to them, lead them.

We must innovate at scale, think globally, act locally, and create technologies that solve real problems—for our villages, our farmers, our children, and our environment.

The Government of India has recognized this and has placed its trust in the youth of this country. Numerous schemes and policies have been designed to empower young individuals like yourselves. But with great trust comes great responsibility. It is now up to you to rise to the occasion, to honour this trust, and to make meaningful contributions to society. Be productive, be responsible, and be innovative. Your actions must reflect the values of integrity, inclusiveness, and commitment to the greater good.

AICTE, as the apex body for technical education, is at the forefront of ensuring that students have access to the resources they need to succeed. Our Yashasvi Scheme is designed to support students from underprivileged backgrounds to access quality technical education. The

Saraswati Scheme is aimed at promoting girls' participation in STEM and technical education. The Pragati Scheme empowers meritorious girl students by providing financial assistance. The AICTE Industry Fellowship and the Productization Fellowship are there to promote the spirit of research, innovation, and entrepreneurship. We also support working professionals through flexible learning pathways so that they can continue to grow in their careers. These schemes are not just policies; they are bridges to your dreams.

Furthermore, our initiatives such as the Smart India Hackathon, IDE Bootcamps, and AICTE IDEA Labs are platforms for young innovators to test and implement their ideas. We believe that every student has the potential to innovate. What is needed is a little guidance, the right environment, and encouragement. These initiatives provide exactly that.

In this era of digital transformation, opportunities are immense. With the rise of technology, finding the right opportunity has become more accessible than ever. Platforms like the AICTE Career Portal, Internship Portal, and Placement Portal are tailor-made for your benefit. Whether you



want to find your first job, an internship to gain industry exposure, or guidance to shape your career, these platforms are rich with resources and partnerships. Many leading EduTech companies and industry giants are onboarded, offering you pathways to begin your professional journey with confidence.

Lastly, let me speak a few words about Artificial Intelligence, the most talked-about and potentially transformative technology of our times. AI is not just a subject; it is a reality that is shaping every industry and influencing every aspect of human life. But remember, AI is a tool. It is created by humans and it reflects our values, intentions, and ethics. We must use it wisely. Ethical AI use must be at the heart of every innovation. We should not fear AI as a threat to jobs; instead, we should embrace it as an enabler of better

jobs, smarter services, and more inclusive systems. I urge each one of you to be aware of both the potential and the pitfalls of AI. Use it to build a better world.

To conclude, dear students, you are stepping into a world that is both beautiful and complex. It needs compassionate engineers, ethical managers, imaginative designers, responsible scientists, and visionary entrepreneurs. Be all of these and more. Be good human beings first, and everything else will follow. The future belongs to you. Let your ideas take wings. Let your actions speak louder than your degrees. And let your journey ahead be one of impact, inspiration, and innovation.

Congratulations once again to the graduating batch of 2025. May you rise, may you shine, and may you lead the way.

Jai Hind.



ORIENTATION PROGRAMME

Manav Rachna International Institute of Research and Studies

Faridabad, Haryana

24th July 2025

Namaskar,

Greetings to:

Respected Chancellor, Vice Chancellor, Esteemed Faculty Members, Staff of MRIIRS, Parents, and above all, my dear students—

It gives me immense joy and pride to be part of this special moment—your Deeksharambh, the beginning of an academic journey that will shape your future and, by extension, the future of our nation.

Before I start, I would like to ask the newcomers what does ‘Deeksharambh’ mean to you?

Well, the word “Deeksharambh” is a powerful confluence of two Sanskrit terms—‘Deeksha’, meaning initiation or consecration, and ‘Arambh’, meaning beginning. Together, *Deeksharambh* symbolizes the ceremonial and spiritual initiation into the world of learning. It is

not just a start of academic life—it is the awakening of a purpose, the blossoming of a mind, and the opening of a heart to the timeless pursuit of knowledge.

In Indian tradition, Deeksha was the sacred vow a student took before entering the *Gurukul*. It represented surrendering ego, embracing humility, and committing oneself to the discipline of education and the guidance of the Guru. Thus, Deeksharambh is not just a formal orientation—it is a soulful invocation, marking the threshold where a learner transitions from ignorance to awareness, from potential to performance, from curiosity to commitment.

Just like the sunrise that marks the beginning of a new day filled with infinite possibilities, Deeksharambh marks the sunrise of your academic life—a phase where learning is no longer confined to books but becomes an exploration of self, society, and service. It calls upon students to align their inner purpose with outer action, to transform



their thoughts into innovations, and their dreams into contributions for the greater good of the nation and humanity.

As you step into this profound journey, Deeksharambh is your sacred pledge—to honour knowledge, uphold integrity, seek truth, and strive for excellence. It is your call to become not just professionals, but enlightened citizens of a growing, evolving India.

I thank the leadership of Manav Rachna International Institute of Research and Studies for organizing this event. This institute, with its legacy of nurturing innovation and integrity, stands tall among India's educational establishments, and I feel privileged to connect with the newest members of this family today.

I congratulate each one of you, the freshers of 2025. You've made it here not by chance, but by merit, effort, and perseverance. Admission to a reputed institution like MRIIRS is no small feat. It signifies the beginning of a transformative phase—one that will not only expand your intellectual

horizons but also awaken your sense of purpose, identity, and responsibility.

As Chairman of AICTE, I have had the opportunity to interact with thousands of students, academicians, and policy thinkers across the country. One recurring thought I always share is this: *Engineering and higher education are not just academic pursuits—they are nation-building missions.* You are now part of this larger vision, and with that comes not only privilege but also an enormous responsibility.

We are at a pivotal moment in India's educational evolution. Over the last five years, the implementation of the National Education Policy (NEP) 2020 has set the stage for a major transformation—emphasizing holistic, flexible, multidisciplinary education. AICTE, as the apex body for technical education in India, has taken several significant steps to align its vision with NEP and create opportunities for students like you to flourish in this new era.

Let me walk you through some of the major initiatives of AICTE that have been specially

designed keeping *you*, the student, at the center:

1. National Internship Portal

One of our most ambitious initiatives is the AICTE Internship Portal—a bridge connecting academia to industry. In collaboration with top industry partners like Microsoft, Adobe, Ansys, Wadhvani Foundation, and many more, this platform provides opportunities for you to apply your classroom knowledge, gain hands-on exposure, and build employable skills early on.

2. Career Portal and Placement Portal

- AICTE's Career Portal offers personalized career guidance, psychometric assessments, and curated resources to help students make informed career choices
- The AICTE Placement Portal bridges the gap between students

and recruiters by providing direct access to job opportunities across sectors.

3. Academic Bank of Credits (ABC), MEME and Flexibility in Education

Today, learning is no longer a rigid journey. With the Academic Bank of Credits, students can earn, accumulate, and redeem credits across institutions and disciplines. You can pause your studies, pursue a course elsewhere, and resume without starting from scratch. This is flexibility reimaged, and it puts you in control of your education. AICTE has directed all its approved institutions to follow the NEP 2020 reforms and allow flexibility through the Multiple Entry and Exit system.

4. Empowering the Girl Child: Pragati & Saraswati Schemes

AICTE firmly believes that empowering women in STEM is essential for national growth. Our Pragati Scheme has supported





thousands of girl students with scholarships of ₹50,000 per annum. We also launched the Saraswati scheme for girl students enrolled in BCA/ BBA/BMS.

5. Start-Up and Entrepreneurship Ecosystem: IDEA Labs & Innovation Cells

To make you job creators and not just job seekers, AICTE has established more than 400 IDEA Labs across the country. These are spaces for tinkering, prototyping, and developing real-world solutions. Moreover, our Institution Innovation Councils (IICs) guide you through every step—from idea validation to startup incubation. If you have a dream, we will back you with tools, mentors, and support.

6. Scholarships and Support for All

AICTE provides a range of financial support schemes—from the Saksham Scholarship for differently-abled students, to the Prime Minister's Special Scholarship Scheme

(PMSSS) for students of Jammu & Kashmir and Ladakh. Our aim is to ensure that *no talent is left behind due to lack of resources*.

7. AICTE Productization Fellowship

AICTE introduced this scheme to support student groups working on innovative ideas to develop New Product or Services which would address problems in the Society / Introduce new innovative products to the market as per dynamic needs of the market.

Dear students,

Today, as you take your first steps into this transformative world of higher education, remember that you are not just here to earn a degree. You are here to build character, create value, and shape the future of our society.

We are living in a time where emerging technologies are transforming the world at an unprecedented pace. Innovations in Artificial Intelligence (AI), Machine Learning, Blockchain, Robotics, Quantum Computing, Augmented and Virtual Reality,

and Biotechnology are reshaping industries, redefining job roles, and revolutionizing how we communicate, work, and live. Among these, AI stands out as a powerful enabler—capable of analyzing massive datasets, automating tasks, enhancing decision-making, and even personalizing education and healthcare. These advancements offer tremendous opportunities to solve complex global problems, but they also come with the responsibility to ensure that technology is used ethically, inclusively, and sustainably.

As AI becomes more integrated into our lives—from the algorithms that recommend content online to tools that assist doctors in diagnosing diseases—it is essential to remember that technology is a tool, not a replacement for human values. We must use AI with caution, compassion, and consciousness. Data privacy, algorithmic fairness, inclusivity, and accountability are not just technical issues but moral imperatives. For young students, especially, this is the time to understand the ethics of AI: How do we build systems that are transparent? How do we avoid bias? How do we ensure AI empowers, not exploits? The answers to these questions will define whether technology becomes a force for good or a source of division.

In this rapidly evolving landscape, it is no longer enough to rely solely on what you learn at the beginning of your academic journey. The future belongs to those who continuously reskill and upskill, adapting to new tools, platforms, and knowledge systems. Whether you're studying mechanical engineering, computer science, or humanities, integrating technology into your domain is becoming essential. Lifelong learning is no longer a choice—it's a necessity. By upskilling, you not only stay relevant but also stay ahead, ready to

tackle challenges, seize opportunities, and contribute meaningfully to a fast-changing world. Remember, *the mindset to learn is more important than the knowledge you already have.*

Remember. Amidst the technological advancement, let us also be mindful of ethics, empathy, and equity. Let us not become machines ourselves in our pursuit of creating machines. Education is not just about intellect, it is also about integrity.

You are the torchbearers of *Amrit Kaal*—India's golden period leading up to its 100th year of independence in 2047. And you, dear students, are the architects of that future. This responsibility is big, but it is also beautiful.

Yes, enjoy these years—make friends, explore music and sports, engage in creativity—but don't lose sight of the larger picture. Dedicate a few crucial hours every day to building your skillsets, understanding technology, mastering communication, and sharpening your thought process.

Let me end with this message: Never underestimate your power. You are entering a campus filled with opportunities. Don't wait for change—*be the change.* If you want to reform something, question it, improve it, build on it. Seek mentorship, stay curious, and collaborate with peers. We at AICTE are always here as your partners, facilitators, and cheerleaders. Whatever your path—entrepreneurship, research, civil services, corporate jobs, or social service—walk it with courage and conviction.

Once again, my heartfelt congratulations to you and your proud families. May this journey be filled with purpose, progress, and promise.

Thank you.

Jai Hind. Jai Bharat.

ROAD M



Tamil Nadu Higher Education Teachers Association (THETA) – ABRSM

Two-Day National Conference on “Roadmap to Viksit Bharat – A Multidisciplinary Approach”

Session 5: Engineering Education for Vikasit Bharat

VIT Chennai, Tamil Nadu

26 July 2025

Namaskar and warm greetings to all!

It is a great honour and privilege to be amidst an esteemed gathering of academicians, policy makers, researchers, and thought leaders from across the nation, united by a shared vision – the vision of a *Viksit Bharat*, a developed and self-reliant India by 2047.

At the outset, I commend the Tamil Nadu Higher Education Teachers Association (THETA) and Akhil Bhartiya Rashtriya Shaikshik Mahasangh (ABRSM) for organizing this significant conference, which aligns with our national aspirations and the foundational goals of the Amrit Kaal. The conference on the topic— “*A Multidisciplinary Approach to Viksit Bharat*” – could not be more timely or relevant.

India @2047: The Vision of a Viksit Bharat

India’s aspiration to become a developed nation by 2047, coinciding with its centenary of independence, is rooted in the vision of Viksit Bharat. Achieving this vision demands a robust education system that equips citizens to thrive in an increasingly globalized and technology-driven era.

Education is the foundation of socio-economic growth, innovation, and sustainable development, making it a key driver for realizing this ambition. The National Education Policy (NEP) 2020 marks a watershed moment in India’s educational reforms. It is designed to overhaul the education system to address contemporary challenges and align with

the aspirations of a modern India. By emphasizing multidisciplinary learning, the policy aims to break the silos of traditional education and foster a holistic approach that integrates arts, sciences, technology, and vocational skills. One of the critical pillars of this transformation is inclusivity.

As India marches ahead to celebrate 100 years of its independence in 2047, the vision of a *Viksit Bharat* — a developed, self-reliant, and inclusive India — has become a national aspiration. Achieving this vision is not the responsibility of one sector or ministry alone; it demands a multidisciplinary approach that integrates economic growth, social empowerment, environmental sustainability, technological innovation, infrastructure expansion, and good governance. The transformation must be holistic — touching every citizen, every institution, and every corner of the nation.

As we set our national vision on becoming a developed nation by 2047, we must

recognize that the very foundation of this transformation rests on the strength of our engineering education system.

Engineering is not just a profession — it is a powerful tool for social transformation, economic development, and technological self-reliance. From infrastructure to innovation, energy to environment, healthcare to hardware — engineers shape every layer of a developed economy.

If we are to realize the dream of *Viksit Bharat*, we must reimagine engineering education — not merely as a pathway to employment, but as a mission for national development.

One of our biggest challenges today is the disconnect between academic learning and real-world application. Our classrooms must evolve from being information centers to innovation hubs. The AICTE has taken crucial steps with initiatives like NEAT, Internship mandates, and Outcome Based Education, but we must go further.



We need:

- Stronger academia-industry collaboration to ensure that our graduates are job-ready and future-ready.
- Mandatory multidisciplinary projects that address real problems — from rural water supply systems to urban mobility.
- Startup and research ecosystems in every engineering college, not just the IITs.

If *Viksit Bharat* is to be inclusive, engineering excellence cannot be limited to metro cities. Tier-II and III institutions must be empowered with:

- Faculty development programs
- Upgraded labs and digital infrastructure
- National-level mentorship and incubation networks

Let no talent go untapped simply because of geography.

Very recently, an article got published in Times of India, which indicates that India observed a steady resurgence of interest in core engineering branches. This shift can be attributed to multiple factors. First, there is a growing recognition among students and parents that these core branches offer strong foundational knowledge and long-term career stability. Many sectors—especially infrastructure, energy, manufacturing, transportation, and defence—are actively hiring talent from these domains, offering ample opportunities not only in India but globally.

Second, with the government's renewed focus on large-scale infrastructure development under initiatives like *Make in India*, *PM Gati Shakti*, *Smart Cities Mission*,

and the green energy transition, demand for engineers from traditional disciplines is rising. Additionally, the blending of core engineering with emerging technologies such as Artificial Intelligence, IoT, and Robotics has created interdisciplinary opportunities that are both exciting and future-ready.

Achieving the vision of *Viksit Bharat 2047* necessitates a strategic transformation of India's education system. What can be done?

1. Digital literacy is foundational for success in a technology-driven world.
2. Initiatives like DIKSHA and SWAYAM can be expanded to provide quality content accessible to all. Devices and digital infrastructure should be provided to underprivileged students to ensure inclusivity.
3. Public-private partnerships can help bring reliable internet connectivity to rural and remote areas, reducing the digital divide.
4. AI can enable personalized learning experiences, adapting content to individual students' needs, pacing, and abilities, improving learning outcomes.
5. Preparing students for the workforce requires aligning education with industry demands.
6. Schools should incorporate vocational training at the secondary level, focusing on trades and technical skills relevant to local and global markets.
7. Include courses on coding, AI, robotics, and renewable energy

- to prepare students for emerging industries
8. Collaborate with industries for hands-on training, internships, and real-world exposure, creating a seamless transition from education to employment.
 9. Strengthening Teacher Training Programs: Teachers play a pivotal role in education quality, making their training crucial.
 10. Regular training programs should focus on modern pedagogical techniques, technology use, and student engagement strategies.
 11. Tools like AI-based performance trackers can help monitor teacher effectiveness and tailor training programs to address gaps.
 12. Inclusivity ensures no one is left behind in the journey toward a developed India.
 13. Scholarships, local language educational materials, and outreach programs should be prioritized to improve access for underprivileged groups.
 14. Address barriers to female education by providing safe learning spaces, menstrual hygiene support, and gender-sensitive teaching.
 15. Holistic learning fosters critical thinking, creativity, and adaptability.
 16. Encourage flexible and multidisciplinary learning by breaking traditional subject boundaries. For example, students can combine arts, sciences, and vocational subjects in their studies.
 17. Promote hands-on projects, internships, and real-world problem-solving exercises to enhance practical understanding and creativity.
 18. Higher education institutions must drive research, innovation, and global collaboration.
 19. Collaborate with international universities to facilitate knowledge exchange, joint research, and exposure to global best practices.
 20. Provide universities with the flexibility to manage resources, attract top talent, and focus on innovation.
 21. Allocate higher budgets for research in STEM fields to position India as a global hub for technological and scientific advancements.

These strategic pathways align with India's ambition to create an education system that meets the demands of the 21st century while being inclusive and equitable. By implementing these reforms, India can nurture a skilled, innovative, and globally competitive workforce, driving the nation toward the goal of Viksit Bharat 2047.

AICTE has been championing this vision through:

- Curriculum reforms incorporating AI, ML, IoT, Climate Science, Indian Knowledge Systems, and more.
- Establishing IDEA Labs to promote innovation and hands-on learning.
- Promoting multidisciplinary education, multiple entry-exit options and continuous learning within its approved institutions to bring flexibility and mobility.

- AICTE's Swanath Scheme, Saksham, Pragati Scholarships and Language Translation AI Projects reflect our commitment to making technical education inclusive, affordable, and accessible.
- We are translating curriculum into 12 Indian languages, enabling students to learn in their mother tongue — an initiative that embodies the spirit of *Ek Bharat, Shreshtha Bharat*.

Engineers for Vikasit Bharat

Engineering education holds a pivotal place in India's journey towards becoming a Viksit Bharat (Developed India) by 2047. Here's a comprehensive overview of why it is both important and crucial to the nation's growth and development:

- From roads to railways, water supply to waste management, and satellites to smartphones—engineering is the backbone of

infrastructure and technology. A developed India cannot exist without world-class infrastructure, and that begins with trained, innovative, and responsible engineers.

- Engineering is central to India's industrialization, manufacturing, digitaleconomy, and innovation-led growth. Well-educated engineers:
 - Increase productivity,
 - Build indigenous technologies,
 - Boost exports through design and innovation, and
 - Attract global investments.

Sectors like semiconductors, electric vehicles, renewable energy, and AI—all need strong engineering talent.

- India's vision of self-reliance depends on research, design, and technology development. Engineers are the problem solvers and inventors who can



lead India from dependency to leadership in areas like Defence manufacturing, Indigenous chip-making, Healthcare technologies, Agricultural automation.

- A Viksit Bharat is not just about cities—it is about inclusive development.
- With nearly 2.5 million students enrolled in engineering and technology programs, engineering education is a key driver of:
 - Employability and job creation, through both industry and entrepreneurship,
 - Skilling in future-ready domains, and
 - Mobility across sectors—tech, finance, government, and development.
- AICTE’s emphasis on internships, outcome-based learning, and innovation ecosystems directly supports this.

To be a developed country, India must not only adopt but lead global technologies. Engineering education, when aligned with global trends like: Artificial Intelligence, Quantum Computing, Space Exploration, and Smart Manufacturing (Industry 4.0), can position India as a technology superpower.

Engineering education must also instill ethics, values, and a spirit of service. The engineers of tomorrow must not only ask “Can we build this?” but also “Should we build this?” and “Who will it serve?”

This is the essence of Bharatiya Gyaan and engineering with conscience.

With a focused, inclusive, and future-oriented engineering education ecosystem, we can create a generation of nation builders—engineers who will build bridges, not just buildings; innovations, not just income; and a Viksit Bharat, not just a developed economy.

Also, India must not follow innovation — we must lead it. Our curriculum must stay ahead with:

- AI, Robotics, IoT, Quantum Computing, and Cybersecurity as core disciplines.
- Hands-on tinkering labs from the first year.
- National challenges and hackathons that solve real problems — water conservation, EV infrastructure, smart agriculture, and more.

Dear friends, engineering education for Viksit Bharat is not just about more engineers. It is about the right kind of engineers — inspired by *innovation*, driven by *integrity*, and rooted in *India’s aspirations*.

Let us create an ecosystem where skills meet values, knowledge meets application, and students become change-makers.

With the visionary leadership of AICTE and the collective will of all stakeholders, we can — and we will — engineer a Viksit Bharat.

Thank you.

Jai Hind.