

INTERNATIONAL CONFERENCE SOUVENIR

AIML Synergies in Computing and Engineering (IntelliFusion 2K25)

Editors

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ISBN Number: 978-81-986231-3-3

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Amity University Madhya Pradesh, Gwalior**

Message from Patron-in-Chief

Dr. Ashok K. Chauhan
Hon'ble Founder President RBEF



It is a matter of immense pride that the Amity School of Engineering & Technology (ASET), Amity University Madhya Pradesh (AUMP) is organizing **International Conference on AIML Synergies in Computing and Engineering (IntelliFusion 2K25)** on Wednesday, 13 August 2025.

Amity has always remained at the forefront of scientific, technological, and engineering advancements. With a strong emphasis on innovation and excellence, the University fosters a dynamic academic environment that encourages our researchers, faculty members, Ph.D. fellows, and students to engage in high-impact research across emerging and niche areas, addressing both current and future global challenges.

As Artificial Intelligence continues to revolutionize the world, it is commendable to host a conference focused on such timely and important topics—exploring cutting-edge developments in Artificial Intelligence and Machine Learning and their applications in computing and engineering.

I extend a warm and heartfelt welcome to all distinguished academicians, scientists, and subject experts from renowned Universities and Institutions from India as well as across the world. I am sure their valuable insights and intensive deliberations will be highly enriching for our students, researchers, faculty members, and other worthy participants, fostering academic excellence and intellectual growth. The conference is poised to serve as a catalyst for stimulating discussions, insightful presentations, and meaningful networking opportunities, significantly contributing to a deeper understanding of these emerging fields.

My appreciation to Prof. (Dr.) Vikas Thada, Director, ASET & Convener of the conference, along with all the dedicated members of the Organising Committee, Ph.D. scholars, and students for their tireless efforts under the guidance of Lt. Gen. V.K. Sharma, Pro-Chancellor, AUMP and with unwavering support from Prof. (Dr.) R. S. Tomar, Vice Chancellor, AUMP. I also appreciate the continued encouragement and cooperation extended by Prof. (Dr.) M.P. Kaushik, Pro Vice Chancellor, AUMP.

The most strategic and unparalleled leadership of Dr. Aseem Chauhan Ji, Resp. Chancellor & Chairman, AUMP & Addl. President, Ritnand Balved Education Foundation (RBEF), would lead to outcome based and result oriented success of the seminar.

I warmly welcome all participants and hope they have a memorable and enriching experience that not only contributes to the goals of the conference but also leaves a profound impact on the fellow participants.

A handwritten signature in blue ink that reads "Ashok K. Chauhan". The signature is fluid and cursive, with a blue horizontal line underneath it.

Message from Patron

Dr. Aseem Chauhan

Hon'ble Chancellor & Chairman
Amity University Madhya Pradesh



The field of engineering is evolving rapidly to meet the ever-changing demands of a dynamic future. Traditionally, engineering education has emphasized theoretical foundations and practical skills in disciplines such as mathematics, physics, and computer science. While these fundamentals remain essential, they alone are no longer sufficient to prepare students for the complex challenges of the modern engineering landscape.

In today's scenario, it is imperative for educational institutions to equip both educators and students with the tools and mindset to embrace emerging technologies. For educators, these technologies are not merely technical upgrades; they represent a critical aspect of their continuous professional growth. For engineering graduates, the job market increasingly favors individuals who are future-ready, with the ability to navigate the multifaceted challenges across contemporary engineering and technology domains.

Among these transformative technologies, Artificial Intelligence (AI) stands out as a powerful force poised to revolutionize the education sector. AI is redefining traditional pedagogies and ushering in a tech-driven future. Its impact is both vast and undeniable. This makes it crucial for academic institutions, educators, and industry professionals to collectively identify and address the gaps between conventional teaching methodologies and the demands of technology-enabled education.

In line with its unwavering commitment to academic excellence, it is a matter of great pride that **Amity School of Engineering & Technology, Amity University Madhya Pradesh** is organizing an International Conference on the highly relevant theme, "**AIML Synergies in Computing and Engineering (IntelliFusion 2K25)**" scheduled for **13 August 2025**.

This conference will serve as a vibrant platform for delegates, speakers, and participants to engage in meaningful discourse, share innovative ideas, and propose actionable solutions to the challenges faced by both the education and industry sectors globally. Such a collaborative effort between academia and industry aligns seamlessly with the visionary ideals of our **Hon'ble Founder President, Dr. Ashok Kumar Chauhan**, who has always envisioned Amity University as a global knowledge hub committed to inclusivity and sustainable development.

I am confident that this International Conference will play a pivotal role in fostering interdisciplinary approaches among educators and institutions, encouraging the integration of AI into curricula and professional development initiatives. This will empower the next generation in an AI-centric world, ensuring that both students and educators are well-prepared to thrive in the evolving technological landscape.

I take this opportunity to commend the commendable efforts of the entire team at **ASET, Amity University Madhya Pradesh**, and extend my best wishes for the grand success of IntelliFusion 2K25. May this conference serve as an inspiration for us all to embrace innovation in engineering education and contribute solutions to the pressing challenges of our society.

Message from Co-Patron

Lt Gen VK Sharma, AVSM (Retd)

Hon'ble Pro-Chancellor

Amity University Madhya Pradesh



I am truly delighted to learn that the **Amity School of Engineering and Technology, Amity University Madhya Pradesh, Gwalior** is organizing the **International Conference on “AIML Synergies in Computing and Engineering (IntelliFusion 2K25)”** on **13 August 2025**. This distinguished event is a significant step forward, providing a global platform to explore and showcase the transformative impact of Artificial Intelligence and Machine Learning across academia, research, and development in the domains of science and engineering.

I am confident that this conference will generate valuable and thought-provoking insights for all participants. By highlighting cutting-edge advancements and addressing real-world challenges, the discussions and deliberations will prove immensely beneficial for scholars, researchers, and industry experts from around the world. The conference promises to be a fertile ground for the exchange of knowledge, innovation, and collaboration.

I firmly believe that universities must play a central role in driving research and innovation, key pillars for national progress and societal advancement. In alignment with this vision, Amity University Madhya Pradesh has taken several impactful initiatives to foster a strong research-oriented culture and to promote academic excellence. These efforts are crucial in fulfilling our mission of creating and disseminating knowledge that contributes meaningfully to nation-building and global development.

A conference of this magnitude requires unwavering dedication, meticulous planning, and collaborative teamwork. I extend my sincere appreciation to all the organizers, committee members, and contributors whose commitment and hard work have made this initiative possible.

I wholeheartedly congratulate the Amity School of Engineering and Technology for spearheading this prestigious event and extend my best wishes for the grand success of IntelliFusion 2K25.

Message from Chairperson

Prof. (Dr.) R. S. Tomar

Vice Chancellor (Offg)

Amity University Madhya Pradesh



It is my pleasure to extend a warm welcome to all esteemed participants, researchers, and industry experts to the International Conference on “**AI-ML Synergies in Computing and Engineering (IntelliFusion 2K25)**” scheduled for August 13, 2025. This conference represents a significant milestone in our journey towards becoming a world-class academic and research institution, fostering human capital with strong values and a commitment to excellence.

As we gather to explore the synergies between Artificial Intelligence and Machine Learning, I am confident that this conference will serve as a catalyst for meaningful interactions and collaborations between academia and the research community. The technical sessions are designed to facilitate the exchange of cutting-edge knowledge, innovative ideas, and best practices in engineering and technology.

Through this conference, we aim to ignite new perspectives, spark creativity, and inspire groundbreaking research that leverages the potential of AI to shape a better future. I would like to express my heartfelt appreciation to the organizing committee for their tireless efforts, dedication, and commitment to making this event a success.

As you participate in the vibrant academic discussions, I invite you to also experience the rich cultural heritage of Gwalior, the pleasant weather, and the warm hospitality that our university has to offer. I wish you all engaging deliberations, fruitful interactions, and a memorable experience at *IntelliFusion 2K25*.

I look forward to a resounding success and wish you all the best!

Message from Co-Chairperson

Prof. (Dr.) M. P. Kaushik

Pro-Vice Chancellor (R)

Amity University Madhya Pradesh



I am indeed pleased to learn that the **Amity School of Engineering and Technology, Amity University Madhya Pradesh, Gwalior**, is organizing the **International Conference on “AIML Synergies in Computing and Engineering (IntelliFusion 2K25)”** on **13 August 2025**.

We are living in an era defined by rapid and revolutionary digital transformation, significantly reshaping every aspect of our lives. Artificial Intelligence has become deeply embedded in various advanced applications across the Information Technology spectrum. As highlighted in numerous international reports, AI in Education is fast emerging as a transformative force in educational technology. Although AI has been present for over three decades, educators are still exploring effective ways to fully harness its pedagogical potential and integrate it meaningfully into higher education.

This international conference sets out to examine the evolving role of Artificial Intelligence in Higher Education, focusing on the opportunities it offers, the challenges it presents, and its broader implications for teaching, learning, and institutional transformation. It also aims to explore how emerging technologies are reshaping the way students learn and how educational institutions must adapt and evolve in response.

IntelliFusion 2K25 will provide a vibrant platform for students, academicians, researchers, and industry professionals to exchange ideas, share insights, and inspire future innovations. It is a commendable initiative that fosters interdisciplinary dialogue and strengthens the bridge between academia and industry.

I extend a warm and heartfelt welcome to all invited speakers and participants who have joined us from across the globe. Your presence, research contributions, and thought leadership are invaluable to the success of this event. I am confident that the discussions and deliberations during the conference will spark new ideas, encourage collaborative research, and contribute significantly to the advancement of AI and its applications in education and engineering.

I wish IntelliFusion 2K25 resounding success and hope it marks a significant milestone in our collective pursuit of innovation and academic excellence.

Message from Convener

Prof. (Dr.) Vikas Thada

Director (Officiating) and Convener,
Amity School of Engineering & Technology
Amity University Madhya Pradesh



It is with immense pleasure and enthusiasm that I welcome you to the **International Conference on “AIML Synergies in Computing and Engineering (IntelliFusion 2K25)”** organized by the Amity School of Engineering & Technology, Amity University Madhya Pradesh, Gwalior.

In today's ever-evolving engineering landscape, innovation is not merely a concept—it is the engine driving transformation and progress. This conference offers a timely and vital platform to highlight pioneering advancements, critically examine current challenges, and collaboratively explore forward-thinking solutions that will define the future of engineering and technology.

As we convene here to share knowledge, exchange research, and engage in meaningful dialogue, I am confident that IntelliFusion 2K25 will spark impactful collaborations, ignite fresh perspectives, and catalyze transformative action. Our collective pursuit of excellence and innovation will undoubtedly contribute to building a more sustainable, resilient, and technologically empowered world.

I extend my deepest appreciation to all the participants, speakers, sponsors, and organizing committee members whose dedication and contributions have brought this conference to fruition. Your efforts exemplify the spirit of collaboration and academic excellence that lie at the heart of this event.

Let us embark together on this inspiring journey of discovery, dialogue, and innovation—charting new frontiers in engineering and AI.

Wishing you a highly enriching and successful experience at IntelliFusion 2K25.

AIML Synergies in Computing and Engineering (IntelliFusion 2K25)

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