MHRD'S INNOVATION CELL (GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

Report on " 4th International Conference on Engineering Design and Computing -2026"

Title of the Conference: " 4th International Conference on Engineering Design and Computing -2026"

Organized By: Institution's Innovation Council (IIC), Swami Vivekananda University, Kolkata

Mode of Delivery: Off-line
No. of Participants: 150
Nationality: Indian
Duration: 2 Days
Date: 27th–28th February 2026
Venue/Location: Swami Vivekananda University, Kolkata

Overview:

The event was graciously inaugurated by **Shri Ujjwal Biswas**, Hon'ble Minister of the Department of Science, Technology and Bio-Technology, Government of West Bengal. The conference witnessed the gracious presence of **Prof. (Dr.) Anil Sahasrabudhe**, Chairman of EC–National Assessment and Accreditation Council (NAAC), Chairman of National Educational Technology Forum (NETF), and Chairman of National Board of Accreditation (NBA) as a chief Guest whose inspiring presence greatly enriched the event. (Major take away: वसुधैव कुटुम्बकम्। सर्वे भवन्तु सुखिनः।, Design for sustainability, Indian Knowledge System). Participants were deeply honored to receive a video address from **Prof. (Dr.) T. G. Sitharam**, Former Chairman of AICTE and Former Director of IIT Guwahati, and **Prof. (Dr.) V. M. S. R. Murthy**, Director of IIEST Shibpur and Director (Additional Charge) of NITTTR Kolkata who have addressed the distinguished gathering of eminent academicians, researchers, industry experts, and young scholars, making the event a truly memorable and intellectually enriching experience. The esteemed Keynote Speakers for their invaluable contributions and thought-provoking deliberations: **Prof.(Dr.) Dražan Kozak (Professor, University of Slavonski Brod, Croatia) , Prof.(Dr.) Vinayak Ranjan Dwivedi (Faculty, University of Pittsburgh, USA) , Prof.(Dr.) M. K. Singh (Professor, Mathematics and Computing, IIT-ISM Dhanbad) , Dr. Prashant Rawat (Associate Professor, Dept. of Aerospace Engineering, IIT Madras), Dr. Dipen Kumar Rajak (Scientist, CSIR-AMPRI, Bhopal), and Dr. Deepak Kumar (Scientist, NIOT, Chennai).**

Their insightful lectures, scholarly perspectives, and engagement with participants significantly enriched the technical depth and global outlook of the conference

Outcome:

- Participants gained comprehensive exposure to emerging research trends, advanced engineering practices, artificial intelligence applications, and recent technological developments in the fields of engineering, design, and computing.
- Researchers, academicians, and students successfully presented their innovative research contributions before eminent experts and received valuable technical feedback for further improvement and future research development.
- The conference established an effective platform for knowledge exchange and interdisciplinary interaction among academia, research organizations, industry professionals, and international participants, thereby strengthening research-oriented collaboration.

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- Participants developed a deeper understanding of AI-driven research methodologies, startup innovation ecosystems, sustainable technological development, and future industrial transformation through keynote lectures and technical deliberations.
- The event significantly strengthened academic networking and encouraged future collaborative research, institutional partnerships, joint publications, and interdisciplinary project initiatives among participating institutions and researchers.
- The conference successfully promoted environmental consciousness and sustainable development practices through social initiatives such as the Tree Plantation Programme, encouraging participants toward responsible and sustainable innovation.

Outstanding research papers and technical contributions were recognized and appreciated through Best Paper Awards, prize distribution, and participant felicitations, motivating researchers and young innovators toward academic excellence and impactful research.

Session Highlights:

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Day 1 Highlights:

- The conference was inaugurated by Shri Ujjal Biswas, Hon'ble Minister of the Department of Science, Technology and Bio-Technology, Government of West Bengal. Shri Ujjal Biswas addressed the gathering with an inspiring speech emphasizing innovation, scientific advancement, and the importance of research-driven development. The inaugural session was attended by participants, keynote speakers, distinguished guests, faculty members, and students of Swami Vivekananda University.
- Through video mode, Prof. (Dr.) T.G. Sitharam and Prof. (Dr.) V. M. S. R. Murthy addressed the participants, motivating young researchers towards innovation, artificial intelligence, and emerging technologies. Their insightful messages highlighted the importance of advanced research, technological adaptation, and interdisciplinary collaboration in addressing future scientific and industrial challenges.
- Hon'ble Vice Chancellor of Swami Vivekananda University, Prof. (Dr.) Subrata Kumar Dey, along with Dr. Ranjan Kumar, Convenor of the conference, addressed the participants and shared the vision, objectives, and significance of the conference in promoting interdisciplinary research and academic collaboration.
- A keynote session was delivered by Prof. (Dr.) Dražan Kozak. This was followed by insightful technical sessions delivered by Dr. Prashant Rawat, Dr. Dipen Kumar Rajak, and Dr. Deepak Kumar, who shared their expertise and recent advancements in their respective research domains.
- Technical paper presentation sessions were conducted successfully, where participants presented their research findings and engaged in fruitful academic discussions and knowledge exchange.

Day 2 Highlights:

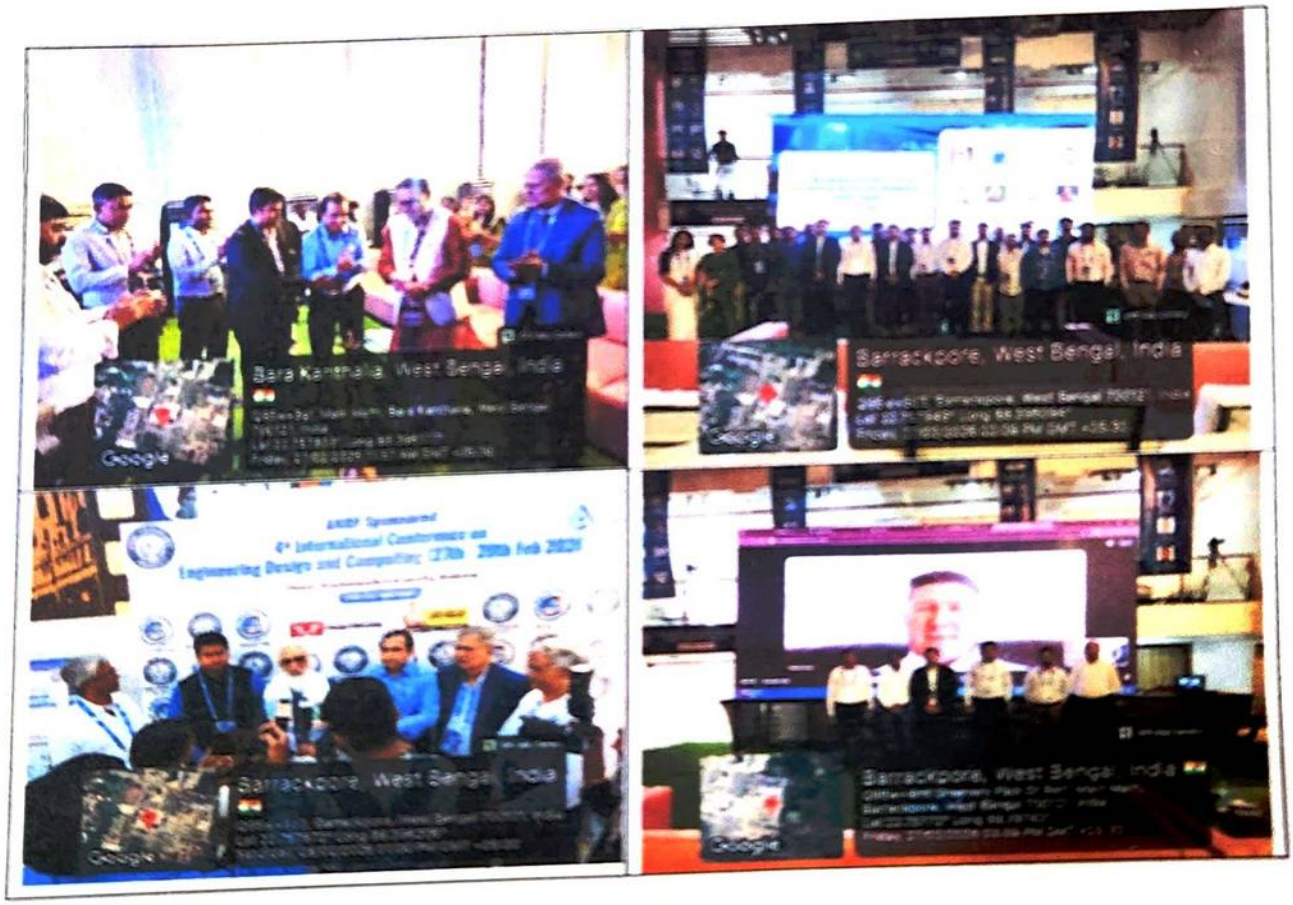
- The second day of the conference commenced with a keynote session delivered by Prof. (Dr.) Vinayak Ranjan on the topic "How AI is Reshaping Physics-Driven Research," where emerging applications of artificial intelligence in scientific research and innovation were discussed in detail.
- The conference warmly welcomed Prof. (Dr.) Anil Sahasrabudhe as the Chief Guest. Prof. Sahasrabudhe, currently serving as Chairman of the Executive Committee of the National Assessment and Accreditation Council (NAAC), Chairman of the National Educational Technology Forum (NETF), and Chairman of the National Board of Accreditation (NBA), delivered an insightful address emphasizing the philosophy of "वसुधैव कुटुम्बकम्" (the world is one family) and "सर्वे भवन्तु सुखिनः" (may all beings be happy), reflecting the ideals of global harmony,

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inclusive growth, and collaborative scientific progress. His deliberation highlighted the growing importance of design for sustainability, encouraging researchers, academicians, and innovators to develop technologies and engineering solutions that are environmentally responsible, socially beneficial, and economically viable. He also emphasized the significance of the Indian Knowledge System (IKS) in modern research and education, illustrating how traditional wisdom, ethical values, and indigenous scientific approaches can effectively complement contemporary technological advancements to build a sustainable, inclusive, and human-centric future.

- Prof. (Dr.) Mritunjay Singh delivered a keynote lecture on "Computing and its Significance to Design," where he highlighted the role of advanced computing, digital technologies, and intelligent systems in modern engineering design, innovation, and interdisciplinary research applications.
- A Tree Plantation Programme was organized as part of the conference activities to promote sustainability, environmental awareness, and social responsibility among the participants.
- Technical paper presentation sessions were conducted successfully, where participants presented their research findings and engaged in fruitful academic discussions, innovation exchange, and interdisciplinary knowledge sharing.
- Prof. (Dr.) Mritunjay Singh delivered the valedictory speech, highlighting the significance of research, innovation, and collaborative learning in advancing science and technology. The valedictory session concluded with the presentation of Best Paper Awards for each technical session, along with participation and presentation certificates distributed among the participants and presenters.

Glimpse of the event:



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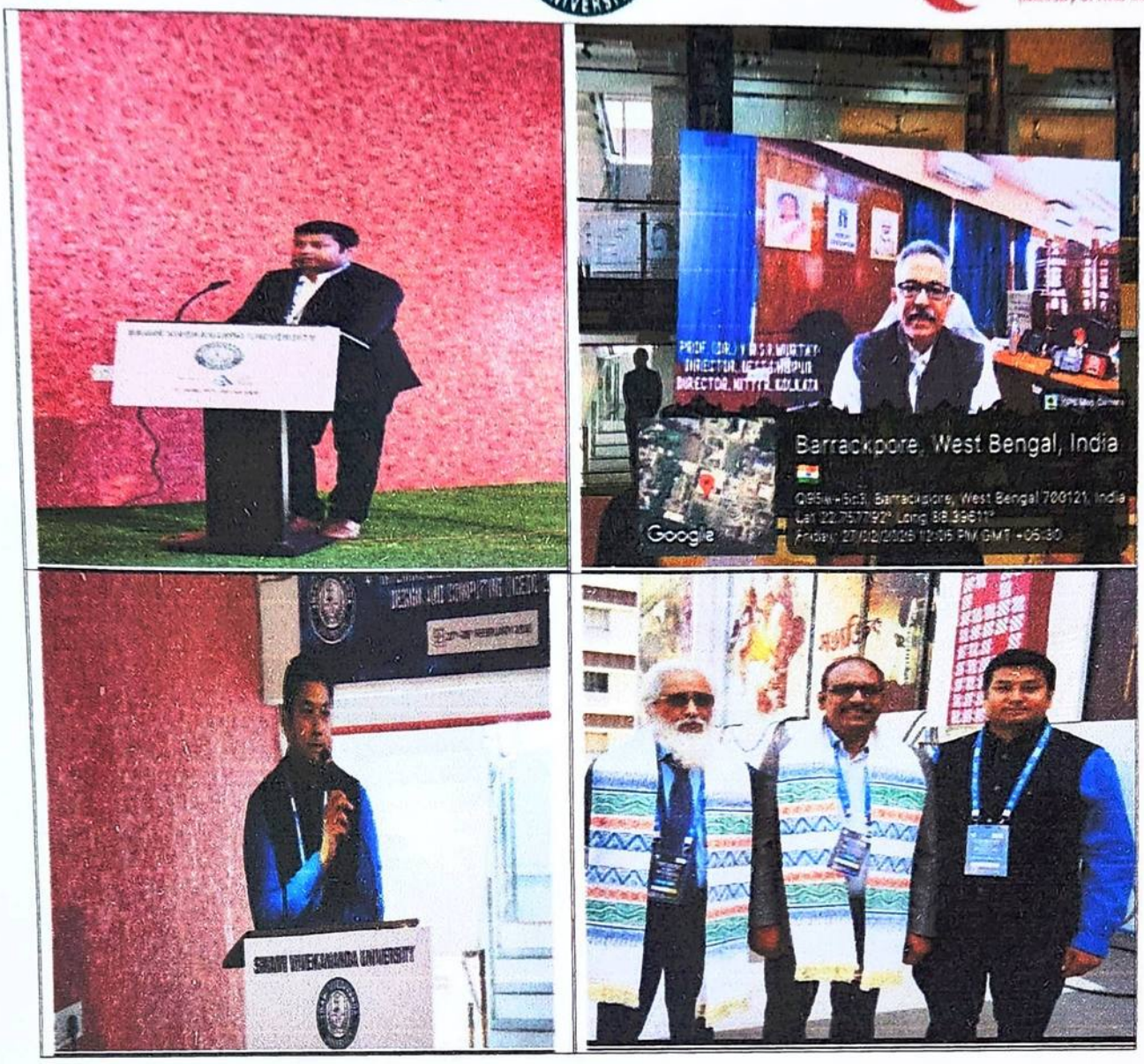
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General Participants Feedback:

- Participants highly appreciated the excellent organization, smooth coordination, and professional execution of ICEDC 2026, which ensured a productive and engaging academic environment throughout the conference.
- The keynote lectures and expert technical sessions were regarded as highly informative, inspiring, and closely aligned with current technological advancements, emerging research trends, and interdisciplinary innovation.
- Researchers, academicians, and students valued the opportunity to present their research work before renowned experts, distinguished academicians, and industry professionals, which provided significant academic exposure and constructive feedback.
- Attendees appreciated the effective integration of physical and virtual sessions, which facilitated global participation, wider accessibility, and international academic collaboration among researchers from diverse backgrounds.

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- The interactive discussions, technical deliberations, and networking opportunities were considered highly beneficial for knowledge exchange, collaborative research, and professional development.
- Participants expressed their satisfaction with the conference hospitality, session management, coordination, and the overall learning and research experience offered during the event.
- Many attendees recommended organizing similar international conferences, faculty development programmes, and advanced technical workshops in the future to continue promoting innovation, research collaboration, and academic excellence.

Signature of the Convenor with University Seal

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Convener:
Dr. Ranjan Kumar,
Convener, IIC Cell
Associate Professor & Head, Dept. of Mechanical Engineering,
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