INDERPRASTHA ENGINEERING COLLEGE

Shaping Engineers and Leaders for Future

An Autonomous College

1st International Conference on

Intelligent and Sustainable Computing Systems (ICISCS 2026)

Technically Co-Sponsored by IEEE U.P. Section (India)

December 11 -12, 2026

Conference Record No. #70929



Organized By:

Inderprastha Engineering College Ghaziabad, U.P, India

63 Site IV, Sahibabad Industrial Area, Sahibabad
Ghaziabad-UP. PIN Code-201010



ABOUT THE INSTITUTION

Inderprastha Engineering College (IPEC), Ghaziabad, is an autonomous institution and among the most sought-after centres for engineering and technology education in the Delhi-NCR region. Established in 2000. It has grown into one of the leading private engineering colleges in Uttar Pradesh. IPEC is dedicated to excellence in teaching, research, innovation, extension activities, leadership development and entrepreneurship. The institute is NAAC accredited, its CSE, ECE and IT departments are NBA accredited, and it is an ISO 9001:2015 certified institution.

The college offers a diverse range of programmes, including M.Tech. (CSE) and B.Tech. CSE, CSE (AI), CSE (AIML), CSE (Data Science), IT, ECE and ME, along with BBA, BCA, MBA and MCA, serving the aspirations of more than 4,000 learners.

With over 26 years of academic excellence, a strong alumni network of 15,000+ graduates and an impressive placement record with 200+ top recruiters, IPEC continues to be recognised as one of the finest engineering colleges in Ghaziabad and Delhi-NCR.

A FORUM FOR IDEAS, RESEARCH AND COLLABORATION

Inderprastha Engineering College, Ghaziabad, warmly welcomes researchers, academicians, industry professionals, innovators and students to the 1st International Conference on Intelligent and Sustainable Computing Systems (ICISCS 2026), scheduled for 11–12 December 2026.

The conference aims to provide an engaging platform for sharing recent research, discussing emerging technologies and exploring how intelligent computing can contribute to sustainable, secure and impactful solutions. Through technical presentations and expert interactions, ICISCS 2026 seeks to encourage interdisciplinary exchange and meaningful research collaborations.

WHY ATTEND?

- Explore emerging developments in intelligent computing, data-driven technologies and sustainable digital systems.
- Exchange research ideas and receive feedback from fellow researchers and domain experts.
- Interact with academicians, industry professionals and the wider research community.
- Identify opportunities for collaboration, innovation and future research.

WHO SHOULD ATTEND ?

Faculty members, research scholars, undergraduate and postgraduate students, scientists, engineers, technology practitioners, entrepreneurs and professionals working in computing and allied disciplines are invited to participate.

TRACKS AND TOPICS OF INTEREST

Track 1: Intelligent Computing & Artificial Intelligence

Explore innovations in AI that drive efficiency, automation, and intelligent decision-making.

- Machine learning, deep learning, and reinforcement learning
- Explainable, interpretable, and ethical AI
- Cognitive and autonomous systems
- Federated and distributed AI models
- Neuromorphic and brain-inspired computing
- AI optimization for energy-efficient computation

Track 2: Sustainable & Energy-Efficient Computing

Focus on computing models that minimize carbon footprint and promote eco-friendly digital infrastructures.

- Green computing architectures
- Low-power hardware and processor design
- Energy-aware scheduling, optimization, and resource allocation
- Carbon-neutral and carbon-aware computing strategies
- Sustainable cloud and fog computing
- Thermal management and power-efficient data centers

Track 3: IoT & Cyber Security

Research advancing secure, resilient, and intelligent Internet of Things ecosystems and cyber security.

- Secure IoT Architectures and Protocols
- IoT Threat Detection and Anomaly Analysis
- Cyber Security for Smart Cities and Critical Infrastructures
- Cyber-Physical Resilience and Safety
- Privacy and Data Protection in IoT
- Blockchain and Distributed Security for IoT
- Secure Edge, Fog, and Cloud Integration
- Human-Machine Interaction and Security Awareness

Track 4: High-Performance, Scalable & Future-Generation Computing

Address innovations in advanced computing paradigms shaping the future.

- Parallel, distributed, and high-performance computing
- Quantum computing and quantum-inspired algorithms
- Scalable architectures for large-scale applications
- Performance modeling and evaluation
- Lightweight and scalable system design
- Cloud–edge–device continuum

Track 5: Secure, Resilient & Ethical Computing Systems

Explore sustainability from the perspective of security, resilience, and responsible technology use.

- Sustainable cyber defence strategies
- Privacy-preserving computation
- Blockchain for trust and transparency
- Ethical frameworks for intelligent systems
- Resilient and fault-tolerant computing
- Secure green communication networks

Track 6: Data Science, Analytics & Sustainable Decision Intelligence

Harness data intelligence for societal and environmental benefits.

- Big data analytics for sustainability
- Green data pipelines and eco-conscious data storage
- Predictive modelling, simulations, and environmental forecasting
- Energy-efficient data management
- Sustainable AI for policy and planning
- Responsible data governance

Track 7: Emerging Technologies & Interdisciplinary Innovations

Showcase transformative advancements that push the boundaries of intelligent and sustainable computing.

- Bio-inspired and nature-inspired computing
- Human–AI interaction for sustainability
- AR/VR, digital twins, and metaverse applications
- Next-generation communication networks (6G and beyond)
- Sustainable robotics and autonomous systems
- Hybrid and cross-disciplinary research models

CONFERENCE COMMITTEE

Chief Patrons

Prof. JP Pandey
Hon'ble Vice-Chancellor
AKTU, Lucknow, U.P.

Prof. S.N. Singh
Advisor,IEEE UP Section
IIT Kanpur, U.P.

Mr. Vishnu Saran
Chairman
IPEC, Ghaziabad, U.P.

Mr. Puneet Agarwal
Vice-Chairman
IPEC, Ghaziabad, U.P.

Patron

Prof. (Dr.) Devendra Kumar Sharma
Director
IPEC, Ghaziabad, U.P.

Conference Chair

Prof. (Dr.) Sunita Yadav
Dean-CSE & Allied Branches
IPEC, Ghaziabad, U.P.

Convener

Prof. (Dr.) Vijai Singh
HOD-CSE & IT, IPEC, Ghaziabad, U.P.

Prof. (Dr.) Neeta Verma
HOD-CSE(DS), IPEC, Ghaziabad, U.P.

Prof. (Dr.) Jay Singh
Dean IQAC, IPEC, Ghaziabad, U.P.

EMINENT ADVISORS – IEEE UP SECTION

Prof. Yogesh Singh Chauhan, IIT Kanpur , India

Prof. Satish Singh, IIIT, Allahabad, India

Prof. Mohammad Rihan, AMU, Aligarh, UP, India

Dr. Avadhesh Kumar, Galgotias University, UP, India

Dr. R. K. Singh, IIT (BHU), UP, India

Dr. Asheesh K. Singh, MNNIT Allahabad, UP, India

Prof. J. Ram Kumar, IIT Kanpur , India

Dr. Varun Kakar, BTKIT, UP, India

Dr. Prabhakar Tiwari, MMM University of Technology, Gorakhpur, UP, India





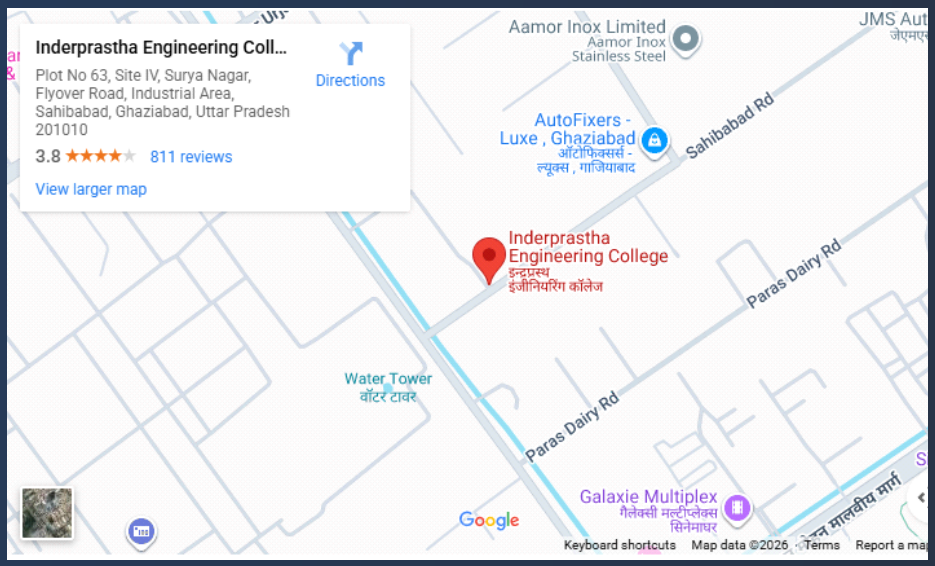
BE PART OF THE CONVERSATION

Join the ICISCS 2026 Community and Participate in two days of research exchange, expert insights and collaboration.

CONTACT US

Inderprastha Engineering College

63 Site IV, Sahibabad Industrial Area,
Sahibabad, Ghaziabad-U.P. PIN Code-201010
9891039510, 9818681309
9871278541, 9810344535



WE LOOK FORWAD TO WELCOMING YOU TO ICISCS 2026

Explore the Conference : https://www.ipec.org.in/iciscs/ Conference Enquiries : iciscs2026@ipec.org.in