CVM UNIVERSITY

ADIT
A D PATEL INSTITUTE OF TECHNOLOGY

INTERNATIONAL CONFERENCE ON "SYNERGETIC DEVELOPMENT THROUGH SMART TECHNOLOGIES, SUSTAINABILITY AND DIGITAL TRANSFORMATIONS (ICSSSD-2026)"

Date:- 25th - 26th June 2026

Mode:- Hybrid

Organized By:

- Department of Computer Engineering
- Department of Mechanical Engineering
- Department of Automobile Engineering

A. D. Patel Institute of Technology, Faculty of Engineering & Technology,
The Charutar Vidya Mandal (CVM) University

In Collaboration with

Dst Department of Science & Technology (Government of Gujarat)

BRICS+ Universities Association

INSTITUTION'S INNOVATION COUNCIL (Ministry of Education Initiative)

About CVM University

The Charutar Vidya Mandal (CVM) University, established in 2019, Vallabh Vidyanagar – 388120, Gujarat, India, is a premier university in Gujarat with a strong lineage dating back to the pre-Independence era (1945 onwards). Just six kilometers from India's milk city--Anand, it has made its distinct identity in the sector of education by offering numerous emerging and innovative educational programs and by attracting students from across the globe. It is managed and sponsored by one of the oldest trusts of Gujarat, Charutar Vidya Mandal (CVM), founded with the vision of Sardar Vallabhbhai Patel and established under the Gujarat Act No. 8 of 2009, Government of Gujarat.

About Promoters - CVM

The Charutar Vidya Mandal (CVM) was conceived on the eve of India's independence, inspired by Sardar Vallabhbhai Patel and passionately led by Shri Bhaikaka and Shri Bhikhabhai Saheb, with a vision to promote rural regeneration through Gramodyog and accessible higher education. On March 3, 1945, they planned an educational township—Vidyanagar—later named Vallabh Vidyanagar in honor of Sardar Patel.

About the Institute

A. D. Patel Institute of Technology (ADIT), a premier institution under the Faculty of Engineering and Technology, has a proud legacy of over 25 years of excellence in technical education. Established under the aegis of Charutar Vidya Mandal (CVM), ADIT is committed to academic excellence, research innovation, and industry engagement. With state-of-the-art infrastructure, experienced faculty, and strong industry linkages, ADIT continues to nurture future-ready engineers and technocrats.

About the Conference - ICSSSD-2026

The International Conference on Synergetic Development through Smart Technologies, Sustainability and Digital Transformations (ICSSSD-2026) aims to bring together academicians, researchers, industry professionals, and students to explore emerging innovations that drive sustainable growth through intelligent technologies and digital transformation.

The conference will serve as a global platform to exchange ideas, foster collaborations, and present cutting-edge research addressing real-world challenges in engineering, sustainability, and digital ecosystems. The conference emphasizes interdisciplinary knowledge exchange, human-centric perspectives, and global academic collaboration, aligning with NEP 2020 and the UN Sustainable Development Goals (SDGs).

Aim of The Conference

ICSSSD–2026 aims to provide a vibrant international platform for academicians, researchers, industry professionals, and students to share innovative ideas and present research in the areas of smart technologies, sustainability, and digital transformation. The conference seeks to promote interdisciplinary collaboration across engineering and technology domains while encouraging the exchange of knowledge on emerging intelligent systems and sustainable practices. It emphasizes the integration of advanced technologies with real-world applications to address societal and industrial challenges. The event also aims to strengthen industry–academia partnerships, inspire young researchers and innovators, and promote ethical, human-centric technological development. Through global participation and knowledge sharing, the conference strives to contribute to the creation of a smarter, sustainable, and digitally empowered future aligned with national and international development goals.

Scope of the Conference

The scope of ICSSSD–2026 encompasses a broad spectrum of emerging and interdisciplinary research areas related to smart technologies and sustainable engineering. It includes topics such as Artificial Intelligence, IoT, cyber-physical systems, big data analytics, cloud computing, and secure digital technologies. The conference also focuses on Industry 4.0/5.0, smart manufacturing, robotics, automation, and intelligent control systems that enhance productivity and efficiency. Sustainable energy solutions, smart grids, renewable integration, green engineering, and climate change mitigation technologies form an important part of the scope. In addition, research in electric and hybrid vehicles, autonomous mobility, smart materials, and nanotechnology is encouraged. The conference welcomes theoretical, experimental, and industry-driven research contributions that support digital transformation, environmental sustainability, and innovation aligned with NEP 2020 and the UN Sustainable Development Goals (SDGs).

Objectives of the Conference

- Promote interdisciplinary research collaboration
- Encourage sustainable technological innovations
- Provide a platform for academia-industry interaction
- Showcase emerging digital transformation strategies
- Foster global research networking opportunities

Who Can Participate?

- Researchers & Academicians
- Industry Professionals
- UG, PG and PhD Scholars
- Startups & Innovation Enthusiasts

Why Attend ICSSSD-2026?

- Present your research at an international platform
- Network with experts and gain insights into emerging technologies
- Explore sustainable engineering innovations

Conference Themes & Tracks

ICSSSD-2026 welcomes original research papers and innovative case studies in (but not limited to) the following areas:

TRACK I: EMERGING TECHNOLOGIES AND FUTURE TRENDS IN AI, CLOUD, QUANTUM & CYBER SYSTEMS

- **Artificial Intelligence – Exploring intelligent systems that learn, reason, and collaborate with humans to solve complex real-world problems and enhance innovation across disciplines.**
- **IoT & Cyber-Physical Systems – Integrating smart connected devices with physical processes through real-time sensing, computation, and control to enable intelligent, adaptive, and secure systems across diverse applications.**
- **Big Data & Cloud Computing – Leveraging scalable cloud infrastructures and advanced data analytics to store, process, and extract actionable insights from massive, complex datasets in real time.**
- **Security and Blockchain Applications – Advancing secure, decentralized, and tamper-resistant digital systems through cryptography, distributed ledgers, and trust-enhancing technologies across modern applications.**

TRACK II: SMART AUTOMATION AND ADVANCED MANUFACTURING TECHNOLOGIES

- **Robotics & Automation – Designing intelligent robotic systems and automated technologies that enhance precision, productivity, and adaptability across industrial, healthcare, and service domains.**
- **Industry 4.0 / Industry 5.0 – Transforming manufacturing and industrial ecosystems through digitalization, cyber-physical systems, human–machine collaboration, and sustainable, intelligent production strategies.**
- **Smart Manufacturing Systems – Enabling intelligent, automated, and data-driven production environments through advanced robotics, AI, IoT, and real-time analytics to enhance efficiency, quality, and sustainability.**
- **Energy Efficiency & Smart Grids – Advancing intelligent energy management through smart grid technologies, renewable integration, real-time monitoring, and optimized power distribution for sustainable and resilient energy systems.**
- **Application of Smart Materials and Nano Technology – Exploring advanced functional materials and nanoscale innovations for intelligent sensing, adaptive systems, biomedical applications, and next-generation engineering solutions.**

TRACK III: SUSTAINABLE AUTOMOTIVE TECHNOLOGIES AND INTELLIGENT MOBILITY SYSTEMS

- **Sustainability & Green Engineering – Promoting environmentally responsible technologies and sustainable design practices to minimize resource consumption, reduce environmental impact, and support long-term ecological balance.**

- **Climate Change Mitigation Technologies – Developing innovative engineering and technological solutions to reduce greenhouse gas emissions, enhance carbon management, and build resilient systems for a low-carbon future.**

- **Alternative Fuels and Engine – Advancing sustainable propulsion systems through the development of biofuels, hydrogen, synthetic fuels, and next-generation engine technologies for cleaner and more efficient transportation.**

- **Autonomous Vehicles – Enabling intelligent, self-driving mobility systems through advanced sensing, machine learning, real-time decision-making, and connected infrastructure for safer and more efficient transportation.**

- **Electric and Hybrid Vehicles – Advancing sustainable mobility through electrified powertrains, energy-efficient drivetrain technologies, battery innovations, and intelligent energy management systems.**

- **AI in Automotive Technology – Integrating artificial intelligence into vehicle systems for intelligent perception, predictive maintenance, autonomous driving, and enhanced safety, performance, and user experience.**

- **Modern Automotive Systems – Advancing next-generation vehicle technologies through intelligent control systems, advanced powertrains, connected mobility solutions, and integrated safety and performance innovations.**

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Associate Professor & Head
Parul University, Vadodara

Dr. P. D. Patel
Associate Professor
L. D. College of Engineering, Ahemedabad

Tentative Schedule

Day 1	• Inaugural Ceremony • Keynote Address • Expert Session • Technical Session
Day 2	• Expert Session • Technical Session • Valedictory Ceremony

Registration Details

FOR PAPER PRESENTATION:

- Faculty / Industry Delegates – Rs. 1500/-
- Research Scholars, UG & PG Students - Rs. 500 /-
- Foreign Delegates - $50

***Additional publication charges apply for publication in Reputed Indexed Journals.**

Paper Submission

We use the Microsoft CMT for paper submission and review process.

Paper Submission Link : https://cmt3.research.microsoft.com/ICSSSD2026

Important Dates

- Last Date for Paper Submission: 20th April 2026
- Acceptance Notification: 30th April 2026
- Last Date for Camera Ready Paper Submission: 15th May 2026
- Final Paper Acceptance Notification: 25th May 2026
- Last Date for Registration: 30th May 2026
- Conference Dates: 25th and 26th June 2026

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