



DHANALAKSHMI SRINIVASAN
COLLEGE OF ENGINEERING & TECHNOLOGY

An Autonomous Institution

APPROVED BY AICTE | AFFILIATED TO ANNA UNIVERSITY | ACCREDITED BY NAAC & NBA
ECR, MAMALLAPURAM, CHENNAI – 603104



**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of Education Initiative)



**COUNSELLING
CODE: 1322**



Research and Development Centre (DSCET)

Organise

International Conference

On

NEXT-GEN Engineering and Management

Innovation Sustainability and Future Horizons

(Hybrid Mode)

ICNEXGEM -2026

03-09-2026 & 04-09-2026



About DSCET:

Dhanalakshmi Srinivasan College of Engineering and Technology (Autonomous) (DSCET), located on East Coast Road in Mamallapuram and managed by the Dhanalakshmi Srinivasan Health, Charitable and Educational Trust, is a premier institution **AICTE-approved**, affiliated with **Anna University**, and **NAAC 'A+'** accredited. Established in **2001** with three undergraduate programs and 150 students, the college has expanded rapidly to offers **18 undergraduate and 8 postgraduate programs** with an **annual intake of 1,680 students**. Recognized under Sections 2(f) and 12(B) of the UGC Act, 1956, DSCET holds NBA accreditation for its eligible undergraduate programs and permanent Anna University affiliation for MBA as well as five undergraduate engineering streams (CSE, ECE, EEE, Mechanical, and IT). Dedicated to academic excellence and societal contribution, the institution emphasizes outcome-based education, experiential learning, interdisciplinary research, and entrepreneurship to foster innovative, future-ready problem solvers.

About Research and Development Centre:

The Research and Development (R&D) Center at Dhanalakshmi Srinivasan College of Engineering and Technology (Autonomous) serves as a core engine for scientific inquiry, technological innovation, and societal problem-solving across its academic landscape. Governed by a structured Research Promotion Policy and Code of Ethics, the center promotes high-quality indexed journal publications, funded grant acquisition, and intellectual property protection through patent filing and commercialization. Integrated with specialized bodies such as the **Institution's Innovation Council (IIC), Entrepreneurship Development Cell (EDC), and the AICTE IDEA Lab**, the **R&D Cell** fosters an interdisciplinary ecosystem where faculty and students actively participate in collaborative research, industry-sponsored consultancies, and national/international MoUs. By bridging experiential learning with real-world technological challenges, the center transforms research initiatives into viable startups, industrial solutions, and sustainable advancements.

About Conference:

The **International Conference on NEXT-GEN Engineering and Management Innovation Sustainability and Future Horizons (ICNEXGEM '26)**, organized by Dhanalakshmi Srinivasan College of Engineering and Technology (Autonomous), serves as a global interdisciplinary platform that brings together researchers, academicians, industry leaders, and students to present pioneering advancements and discuss future technological horizons. Embracing an outcome-based and research-driven vision, the conference addresses critical modern challenges by focusing on next-generation engineering paradigms, sustainable technologies, artificial intelligence, intelligent computing systems, and innovative management strategies. Through keynote sessions, peer-reviewed paper presentations, and collaborative technical deliberations, **ICNEXGEM '26** fosters knowledge exchange, interdisciplinary innovation, and industry-academic partnerships aimed at shaping sustainable technological transformations for the future.

Objectives of the Conference:

- To provide a common platform for stakeholders to share ideas, innovations, and recent research findings.
- To strengthen collaboration between academia and industry at regional, national, and international levels.
- To enable students and early-career researchers to interact, learn, and network with experts.
- To bridge the gap between industry and academia through meaningful technical interactions.
- To promote highlevel discussions and knowledge exchange in theoretical, experimental, and applied engineering domains.

Important Dates:

Abstract Submission Deadline : 15-08-2026

Notification of acceptance : 18-08-2026

Final Paper submission : 25-08-2026

Conference : 03-09-2026 & 04-09-2026



Keynote Speakers:



Dr. Pau-Loke SHOW, PhD., PEng, P.Tech. CEng, FIChemE, FHEA.
Professor
Khalifa University, Abu Dhabi, United Arab Emirates



Dr. Sandeep Kumar P
Associate Professor
Department of ECE, SRMIST, Chennai.



Ms. Sreeja R
Chief Systems Engineer
Susan Future Technologies, Chennai



Mr. Deepak Kamalakannan
Software Development Intern @ ECRIO
Electrical Engineering Student @ BITS Pilani
Royal Melbourne Institute of Technology, Australia.



Dr. S. Neduncheliyan, BE, MS(Engg) (Msia), PhD, PDF(Japan).
Professor & Dean Departments of Computing
Rajalakshmi Institute of Technology Chennai.



Ms. Sudha Krishnasamy, MS, MBA.
Founder
Integr8Works LLC, USA



Mr. Praveen Ravikumar
Research Fellow, Chemical Engineering
Rutgers University, US, New Jersey

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Dean, Research and Development Center
Dhanalakshmi Srinivasan College of Engineering and Technology Chennai, India
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Dean, School of Electrical Sciences
Dhanalakshmi Srinivasan College of Engineering and Technology Chennai, India
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Head of Department, Environmental Science and Technology
Dhanalakshmi Srinivasan College of Engineering and Technology Chennai, India
- **Dr. Anita Warriar**
Professor, Research and Development Center
Dhanalakshmi Srinivasan College of Engineering and Technology Chennai, India

Advisory Committee:

International:

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University College Sedaya International, Malaysia.
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- **Dr. Karthikeyan S P**
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National Informatics Centre in Delhi..
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National Institute of Ocean Technology, Pallikaranai.
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National Centre for Polar and Ocean Research.
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Senior Scientist and Joint Director
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IIT Bombay.
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DSCET - Chennai, India.

Call for Papers:

Theme: From Innovation To Impact: Building Sustainable Technologies And Future - Ready Organizations

International Conference on NEXT-GEN Engineering and Management Innovation Sustainability and Future Horizons (ICNEXGEM 2026) Will take place at **Dhanalakshmi Srinivasan College of Engineering and Technology (Autonomous) (DSCET), Chennai, India, on 03 & 04 September 2026 (Hybrid Mode).**

All accepted and presented papers will be submitted for possible inclusion in the SCOPUS Indexed Journals , Book Chapters and Conference Proceedings with ISBN number.

ICNEXGEM-2026 serves as the premier annual platform for researchers, academicians, and industry professionals to present cutting-edge developments at the intersection of engineering and strategic management. This year, our focus centers on creating sustainable solutions and identifying future horizons for global industries.

We invite original, unpublished research papers in the following tracks.

Track 1: AI & Data Science

1. Generative AI and Large Language Models
2. Agentic AI and Autonomous AI Systems
3. Explainable and Trustworthy AI
4. Federated Learning and Privacy-Preserving AI
5. Multimodal AI and Vision-Language Models
6. Edge AI and TinyML
7. AI for Scientific Discovery
8. Quantum AI and Quantum Computing
9. Causal AI and Knowledge Graphs
10. AI-Driven Predictive Analytics

Track 2: Electronics & Embedded Systems

1. 6G Wireless Communication
2. Embedded AI and Edge Computing
3. VLSI and AI Hardware Accelerators
4. Internet of Things (IoT)
5. MEMS and Smart Sensors
6. Software-Defined Radio
7. RF and Millimeter-Wave Technologies
8. FPGA and Reconfigurable Computing
9. Neuromorphic Computing
10. Energy-Efficient Embedded Systems

Track 3: Robotics & Automation

1. Autonomous Robots
2. Human-Robot Collaboration
3. Industrial Automation
4. Autonomous Vehicles
5. Drone Technologies
6. Swarm Robotics
7. Soft Robotics
8. Cyber-Physical Systems
9. Digital Twins for Robotics
10. Intelligent Motion Planning

Track 4: Sustainable Energy

1. Smart Grids
2. Renewable Energy Systems
3. Energy Storage Technologies
4. Electric Vehicles
5. Hydrogen and Fuel Cells
6. Microgrids
7. AI for Energy Management
8. Vehicle-to-Grid Technologies
9. Carbon-Neutral Energy Systems
10. Smart Power Electronics

Track 5: Smart Manufacturing

1. Industry 5.0
2. Smart Factories
3. Industrial Internet of Things (IIoT)
4. Additive Manufacturing (3D Printing)
5. Predictive Maintenance
6. Digital Manufacturing
7. Intelligent Supply Chains
8. Human-Centric Manufacturing
9. Advanced Materials
10. Circular Manufacturing

Track 6: Smart Infrastructure

1. 6G Wireless Communication
2. Embedded AI and Edge Computing
3. VLSI and AI Hardware Accelerators
4. Internet of Things (IoT)
5. MEMS and Smart Sensors
6. Software-Defined Radio
7. RF and Millimeter-Wave Technologies
8. FPGA and Reconfigurable Computing
9. Neuromorphic Computing
10. Energy-Efficient Embedded Systems

Track 7: Healthcare & Bioengineering

1. AI in Healthcare
2. Medical Image Analysis
3. Wearable Health Technologies
4. Digital Health and Telemedicine
5. Biomedical Signal Processing
6. Bioinformatics
7. Smart Prosthetics
8. Precision Medicine
9. AI-Based Drug Discovery
10. Medical IoT

Track 8: Innovation & Technology

1. Digital Transformation
2. Technology Entrepreneurship
3. Innovation Management
4. Startup Ecosystems
5. Technology Commercialization
6. AI for Business Intelligence
7. FinTech and Digital Finance
8. Blockchain for Enterprise
9. Smart Governance
10. Technology Policy and Ethics

Track 9: Sustainable Energy

1. Society 5.0
2. AI for Sustainable Development Goals
3. Climate Informatics
4. Digital Society
5. Responsible AI
6. Smart Education Technologies
7. Inclusive Technologies
8. Future of Work
9. Human-Centered Computing
10. Emerging Convergent Technologies

Track 10: Waste Management & Circular Economy

1. Smart Grids
2. Renewable Energy Systems
3. Energy Storage Technologies
4. Electric Vehicles
5. Hydrogen and Fuel Cells
6. Microgrids
7. AI for Energy Management
8. Vehicle-to-Grid Technologies
9. Carbon-Neutral Energy Systems
10. Smart Power Electronics

Track 11: Environmental Chemistry

1. Water Pollution and Wastewater Treatment
2. Air Pollution Monitoring and Control
3. Soil Contamination and Remediation
4. Heavy Metal Analysis and Removal
5. Microplastics and Emerging Contaminants
6. Green Chemistry & Sustainable Chemical Processes
7. Environmental Nanotechnology
8. Carbon Capture, Utilization, and Storage (CCUS)
9. Environmental Toxicology and Risk Assessment
10. Waste Management, Recycling & Resource Recovery

Track 12: Emerging Trends in Chemistry

1. Green Chemistry
2. Analytical Chemistry
3. Natural Products Chemistry
4. Materials Chemistry
5. Computational Chemistry
6. Organic Chemistry
7. Physical Chemistry
8. Environmental Chemistry
9. Industrial & Applied Chemistry
10. Medicinal Chemistry

Papers Submission:

Papers for presentations should conform to the format and specifications. All submissions must be in English only. Authors are invited to submit full paper (Minimum 4 pages and Maximum 6 pages, double-column US letter size) as PDF using the templates. Extra pages beyond this would require additional page length charges.

'Double Blind Review' Process will be followed by the conference. The Authors are requested to strictly adhere to the submission guidelines provided on the conference website before submitting the manuscripts.

Registration fees:

	Internal Students & Research Scholar	INR 750
	External Students & Research Scholar	INR 1500
	Faculty Members & Academicians	INR 2500
	Industry Professional	INR 4000
	Conference Attendee	INR 750
	International Delegates	USD 100

Contact:

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Organizing Chair ICNEXGEM26 - 2026

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Explore more on our website:

<https://dscet.ac.in/icnexgem-26/>

Important links:



Abstract Template



Abstract
Submission link



Registration link

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For Authors / Attendees:

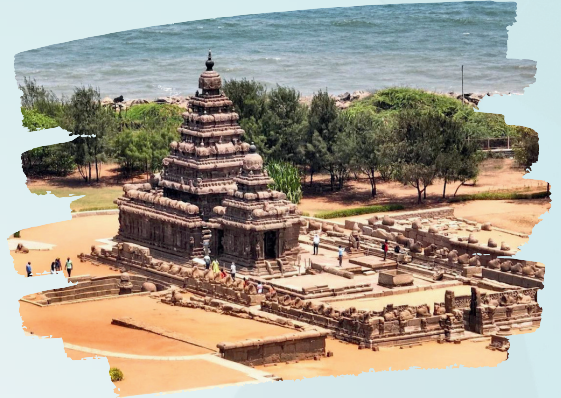
- All accepted papers should have at least one author registered.
- Additional author requires additional registration. Only presented papers will be eligible for publication.
- Accepted papers will be considered for publication in Scopus indexed journals, Book chapter and in Conference proceedings with ISBN number.
- Complimentary cultural excursion to Mahabalipuram included for all registered conference delegates.

Explore Chennai – Where Heritage Meets the Sea:

Chennai, the capital of Tamil Nadu, is one of South India's most vibrant cultural, educational, and economic destinations. Located along the scenic Coromandel Coast of the Bay of Bengal, the city beautifully blends history, spirituality, coastal beauty, and modern urban life. From iconic beaches and UNESCO World Heritage monuments to wildlife conservation parks and bustling shopping streets, Chennai offers memorable experiences for every traveler.

Mahabalipuram:

Located along the scenic East Coast Road, Mahabalipuram (Mamallapuram) is a UNESCO World Heritage Site renowned for its magnificent Pallava-era architecture dating back to the 7th and 8th centuries. Once a flourishing port city of the Pallava Kingdom, it is home to the famous Shore Temple, the intricately carved Pancha Rathas, ancient rock-cut cave temples (Mandapas), and the spectacular open-air relief Descent of the Ganges. It is one of India's finest examples of ancient stone craftsmanship.



Madras Crocodile Bank Trust:

The Madras Crocodile Bank Trust is one of India's leading reptile conservation centres and among the most popular attractions on the East Coast Road. Home to numerous species of crocodiles, alligators, turtles, snakes, and other reptiles, the park welcomes nearly half a million visitors every year. Through scientific research, education, and captive breeding programs, the Crocodile Bank plays a vital role in conserving India's rich reptile and amphibian biodiversity.



Muttukadu:

Muttukadu is a scenic backwater destination on the East Coast Road (ECR), Famous for its peaceful lagoon and lush surroundings, it is a favorite weekend getaway for families and tourists. The TTDC Muttukadu Boat House offers exciting activities such as speed boating, pedal boating, kayaking, canoeing, and motorboat rides, making it an ideal destination for adventure and leisure. Visitors can also enjoy the tranquil backwaters, stunning sunrise and sunset views, bird watching, photography, and relaxing boat cruises. With nearby attractions like DakshinaChitra Heritage Museum.



Marina Beach:

Marina Beach is Chennai's most iconic landmark and the second-longest urban beach in the world, stretching approximately 6 km from Fort St. George to Foreshore Estate. With an average width of 300 metres, the beach is a favorite destination for morning walks, evening strolls, and enjoying spectacular sunrises over the Bay of Bengal. The Marina welcomes around 30,000 visitors on weekdays and 50,000 visitors during weekends and holidays. Bathing and swimming are strictly prohibited due to strong undercurrents and rough sea conditions.

