



**AAA COLLEGE OF ENGINEERING AND TECHNOLOGY**

**AN AUTONOMOUS INSTITUTION**

**Accredited by NAAC with "A" Grade**

**Accredited by NBA (CSE, ECE, EEE, MECH & CIVIL)**

**An ISO 21001:2018 Certified Institution**

**Amathur, Sivakasi - 626 005**



**NEXTGEN'26**



सह वीर्यं करवावहे

**International Conference on Interdisciplinary Innovations in Science,  
Technology, Humanities, Artificial Intelligence and Sustainable Digital  
Transformation  
( HYBRID MODE )**



**15th & 16th October 2026**

**Organized by**

**Department of Science and Humanities**

## ABOUT THE INSTITUTION

Established in 2013 in Sivakasi, Tamil Nadu, AAA College of Engineering and Technology (AACET) is a premier Institution for quality technical education in the region. Approved by AICTE and affiliated with Anna University, AACET upholds the highest standards of academic governance while nurturing curiosity, innovation, and excellence. The college's NBA accreditation for five engineering programmes reflects its consistent commitment to outcome-based education and its focus on preparing industry-ready graduates with globally relevant skills.

Our vision is to be a center of excellence in engineering education — driving innovation, research, and technological advancement while shaping ethically grounded professionals who contribute meaningfully to society. To achieve this, AACET is committed to delivering outcome-based education through modern infrastructure and experienced faculty; fostering a culture of innovation, research, and lifelong learning; bridging academia and industry through internships and collaborations; instilling ethical values and professional integrity; and empowering students to become responsible citizens and future leaders.

AACET's vibrant campus features state-of-the-art infrastructure and advanced laboratories that mirror real-world industry settings. Guided by experienced faculty, students gain a strong blend of theoretical knowledge and hands-on learning — graduating with genuine, applicable competence.

The institution actively nurtures innovation and research through internships, technical symposiums, conferences, seminars, and workshops — giving students a real edge in their professional journeys.

Beyond technical skills, AACET is committed to strong ethical values and social responsibility. Its holistic approach extends beyond academics into community engagement, shaping graduates who are skilled, principled, and civic-minded. Together, this integrated approach — combining academic rigor, industry exposure and ethical grounding — enables AACET to nurture responsible citizens, dynamic leaders and socially committed professionals dedicated to national progress.

## ABOUT THE DEPARTMENT OF SCIENCE AND HUMANITIES

The Department of Science and Humanities serves as the cornerstone of engineering education, providing students with a strong foundation in Mathematics, Physics, Chemistry, and English. The department is dedicated to nurturing analytical thinking, scientific temperament, communication competence and professional ethics that are essential for success in engineering and technology.

With a team of highly qualified faculty members, modern laboratories, language learning facilities, and an outcome-based learning approach, the department creates an academic environment that encourages innovation, critical thinking, and lifelong learning. Mathematics strengthens logical reasoning and problem-solving abilities, while Physics enables students to understand the fundamental principles governing the physical world. Chemistry equips learners with knowledge of materials, industrial processes, and environmental sustainability, and English enhances communication, interpersonal, and professional skills required in the global workplace. The department emphasizes experiential learning through laboratory experiments, interactive teaching methods, skill-development activities, and technology-enabled education. By integrating scientific knowledge with human values, the Department of Science and Humanities prepares students to meet the challenges of higher studies, research, industry, and society with confidence and competence.

Committed to academic excellence and holistic development, the department plays a vital role in shaping responsible engineers, innovative thinkers, and future leaders capable of contributing to sustainable technological advancement and societal progress.

## **NEXTGEN'26**

# **International Conference on Interdisciplinary Innovations in Science, Technology, Humanities, Artificial Intelligence and Sustainable Digital Transformation ( HYBRID MODE )**

### **CHIEF PATRONS**



**Dr. P. Karvannan**  
Chairman / Secretary - AACET



**Dr. P. Ganesan**  
Correspondent - AACET



**Mr K. Vignesh Kumar**  
Joint Secretary - AACET

### **PATRON**



**Prof. Dr. M. Sekar**  
Principal - AACET

### **CONVENER**



**Dr. K. Anand**  
HOD/S&H - AACET

### **ABOUT THE CONFERENCE**

NextGen–2026: International Conference on Interdisciplinary Innovation in Science, Technology, Humanities, Artificial Intelligence, and Sustainable Digital Transformation is a premier international forum that brings together researchers, academicians, industry experts, and innovators to explore emerging trends and transformative developments across disciplines. The conference aims to foster interdisciplinary collaboration, promote cutting-edge research, and address contemporary challenges through the integration of science, technology, humanities, artificial intelligence, and sustainable digital practices. It provides a vibrant platform for the exchange of innovative ideas, research findings, and best practices that contribute to societal progress and global sustainability. Through keynote lectures, technical sessions, panel discussions, and research presentations, NextGen–2026 encourages meaningful dialogue between academia and industry, inspiring solutions that are innovative, inclusive, and future-focused. The conference seeks to advance knowledge, strengthen global partnerships, and empower participants to shape a smarter, sustainable, and digitally transformed world.

## NEXTGEN'26

# International Conference on Interdisciplinary Innovations in Science, Technology, Humanities, Artificial Intelligence and Sustainable Digital Transformation ( HYBRID MODE )

## KEYNOTE SPEAKERS



Professor Gang Li  
Deakin University, School of  
Information Technology, Australia



Dr. Muthumainnah  
Manipal GlobalNxt University,  
Malaysia



Dr. Prodhan Mahbub Ibna Seraj  
American International  
University-Bangladesh



Dr. T. Pushpanathan  
Sri Venkateswara College of  
Engineering, Chennai



Dr. Suresh Rasappan  
University of Technology and  
Applied Sciences, Oman



Dr. Sivaganesh Dhanushkodi  
Zhejiang University of  
Technology, China



Dr. N. Arul Mozhi  
Ayyanadar Janaki Ammal College,  
Sivakasi



Dr. M. Rajesh Kannan  
Indian Institute of Technology,  
Hyderabad



Dr. J Joseph  
Noorul Islam Centre for Higher  
Education, Kanyakumari

## ADVISORY COMMITTEE



Dr. K. Gurusamy  
Kalasalingam Academy of Research  
and Education, Krishnankoil



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Director, Riyasaa Labs - Centre for  
Innovation; Distinguished Professor,  
Crown University Intl Chartered Inc., USA



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and Education, Krishnankoil



Dr. N. Prithivikumaran  
V.H.N.S.N College. Virudhunagar



Dr. C. Sangeetha  
Kalasalingam Academy of Research  
and Education, Krishnankoil

## Important Dates

Abstract Submission: 05.10.2026  
Acceptance notification: 10.10.2026  
Full Paper Submission: 14.10.2026  
Last Date of Registration: 05.10.2026



Papers will be published in a **Scopus-Indexed**  
proceedings volume, subject to peer review and  
reviewers comments.

Submission Email ID: [hod\\_bsh@aaacet.ac.in](mailto:hod_bsh@aaacet.ac.in)

## THRUST AREAS

### Applied Chemistry

- Sensors and Nanomaterials
- Green Chemistry and Environmental Sciences
- Renewable Energy and Energy Storage
- AI- Assisted Drug Development
- Modern Advances in Organic Synthesis

### Literature and Linguistics

- Global Perspectives on AI-Enhanced English Language Teaching and Learning
- Smart Technologies and Innovative Pedagogies for Next-Generation English Language Education
- Film, Literature and Cultural Studies
- English Literature and Film Adaptation
- Sustainable Development Goals and English Language Education
- Multilingualism, Culture and Intercultural Communication

### Applied Mathematics

- Graph Theory and its applications in Computer Science
- Mathematics of Data Science and AI
- Statistics and Probability, Systems and Control Theory
- Mathematical Finance, Econometrics
- Optimization and Operations Research, Scientific Computing

### Applied Physics

- Advanced Characterization of Functional Materials
- Next Generation Energy Storage Technologies
- Sustainable and Recyclable Energy Storage Materials
- Emerging Renewable Energy Technologies
- Materials Modelling and Simulation

### தமிழ் இலக்கியத்தில் தகவல் தொழில்நுட்பம்

- கல்வித் தொழில்நுட்பம்
- இலக்கியம் மற்றும் செயற்கை நுண்ணறிவு
- சமூக ஊடகம் மற்றும் இலக்கியப் பரவல்
- இலக்கிய டிஜிட்டல் மயமாக்கல்
- இயற்கை மொழி செயலாக்கம்
- மற்றும் கருத்தரங்க மைய நோக்கத்தை விட்டு நீங்காத பிற தலைப்புகளிலும் ஆய்வுக்கட்டுரைகள் அமையலாம்.

The Organising Committee invites research paper submissions on the following themes and related areas, including but not limited to.

## Organising Committee

### Co-Ordinators

Dr. S. Kiruthiga Deepa, ASP / Maths  
Dr. P. Jessintha, AP / English  
Dr. R. Anitha, AP / Physics  
Dr. A. Shanmugapriya, AP / Chemistry  
Dr. K. Karuppasamy, AP / Tamil

### Account Details Account No:

004100650187006

Name: K. ANAND

Bank & Branch: Tamilnad Mercantile  
Bank Ltd., Thiruthangal.

IFSC Code: TMBL0000231

MICR Code: 626060004

G pay no: 9566776660

### Organizing & Publication Committee Members

Dr. R. Nagendran, ASP / Maths  
Dr. A. Pradheepa, AP / English  
Dr. K. Prabhakaran, AP / Physics  
Dr. M. Balamurugan, AP / Chemistry  
Dr. M. Ambika, AP / Tamil



### Registration Details

| S.No | Category      | INR<br>(Offline) | INR<br>(Online) | USD |
|------|---------------|------------------|-----------------|-----|
| 1    | Faculty       | 750              | 500             | 20  |
| 2    | Scholars      | 1000             | 800             | 25  |
| 3    | Participation | 300              | 150             | 10  |

### For Registration



[Click to Register](#)

**Note:** In the case of multiple-authored papers, each co-author must register individually and pay the applicable registration fee. Individual registration is required for participation and inclusion in the conference proceedings/publication.

For Further Details:

Dr. P. Jessintha - 9791563200

Dr. A. Shanmugapriya - 8220840527

Dr. M. Krishnakumar - 8973733536

“Bringing Ideas Together. Building Connections. Shaping the Future”

## PROGRAMME SCHEDULE

### *Day 1 - 15.10.2026*

#### *Inaugural Function*

Welcome Address - Dr. K. Anand - Head of the Department

Felicitation Address - Dr. M. Sekar - Principal

#### **Sessions**

Session 1 - 9:40 a.m. to 10:15 a.m. - Professor Gang Li

Session 2 - 10:20 a.m. to 11:00 a.m. - Dr. T. Pushpanathan

Session 3 - 11:30 a.m. to 12:00 p.m. - Dr. Muthumainnah

Session 4 - 12:05 p.m. to 1:30 p.m. - Dr. M. Rajesh Kannan

#### **Lunch (1:30 p.m to 2:30 p.m)**

Session 5 - 2:30 p.m. to 3:30 p.m. - Dr. J. Joseph

Session 6 - 3:45 p.m. to 4:45 p.m. - Dr. K. Suriya Prakash Narayannan

#### **Presentation Venue**

Venue 1 - English - Sri Visveswaraya Seminar Hall (Cambridge Block)

Venue 2 - English - Thomas Alva Edison Hall (Cambridge Block)

Venue 3 - English - Room no.1010 (Oxford Block)

Venue 4 - Maths - Sir C. V. Raman Seminar Hall(Cambridge Block)

Venue 5 - Maths - Room no.1007 (Oxford Block)

### *Day 2 - 16.10.2026*

#### **Sessions**

Session 5 - 9:30 a.m. to 11:00 a.m. - Dr. Chennan Ramalingam

Session 6 - 11:30 a.m. to 12:30 p.m. - Dr. S. Arumuga Perumal

Session 7 - 12:30 p.m. to 1:30 p.m. - Dr. Suresh Rasappan

#### **Lunch (1:30 p.m. to 2:30 p.m)**

#### **Presentation Venue**

Venue 6 - Tamil - Sir C.V. Raman Seminar Hall (Cambridge Block)

Venue 7 - Physics - Thomas Alva Edison Hall (Cambridge Block)

Venue 8 - Chemistry - Sri Visveswaraya Seminar Hall (Cambridge Block)

Vote of Thanks - Dr. S. Kiruthiga Deepa, ASP / Maths