



INTERNATIONAL CONFERENCE ON

ADVANCES IN INDUSTRIAL ENGINEERING & MANAGEMENT

(ICAIEM 2022)



ORGANISED BY

CET SCHOOL OF MANAGEMENT & DEPARTMENT OF MECHANICAL ENGINEERING, COLLEGE OF ENGINEERING TRIVANDRUM

IN ASSOCIATION WITH



MARCH DEPARTMENT OF HUMANITIES, INDIAN INSTITUTE OF SPACE SCIENCE AND TECHNOLOGY, TRIVANDRUM

&

INSTITUTE OF MANAGEMENT IN KERALA, UNIVERSITY OF KERALA

18-20
2022

<http://icaiem2022.cet.ac.in>

COLLEGE OF ENGINEERING TRIVANDRUM

College of Engineering Trivandrum (CET), is one of the oldest, pioneering and premier professional education college in India, was started in 1939 by the erstwhile rulers of Travancore. The College is affiliated to A P J Abdul Kalam Technological University (APJAKTU) and the programmes are approved by AICTE. Most of the programmes, offered at CET, have accreditation by National Board of Accreditation (NBA). CET provides a healthy platform for courses at undergraduate and postgraduate levels in Management, Basic Sciences, Applied Sciences, Engineering and various emerging disciplines. Eight undergraduate programmes and Twenty Seven post graduate programmes are presently offered in CET. About 1500 students are admitted every year for the undergraduate, postgraduate and research programmes in CET and seventy percent of the students in the college belong to the undergraduate programmes. CET is a recognised institution for research leading to PhD. The Centre for Continuing Education (CCE) and Centre for Industrial Training and Sponsored Research (ITC&SR) of the College reinforces and updates the trends and contributes to the upkeep of standards in all fields of specialisations through training, consultancy and sponsored research. Most of the Departments in CET have established academic/industry linkages with other academic institutions, R&D centres and industry. The college is ranked as 95th in the country by NIRF, 2021.

ABOUT CET SCHOOL OF MANAGEMENT

College of Engineering Trivandrum (CET) started MBA programme in 1985 as an evening programme to enrich the practicing managers in professional management. A Management School of the current status with full time MBA programme was started in the year 2000. Twenty batches of students have already completed the full-time programme and Thirty two batches have completed the evening MBA programme. CETSOM was accredited by the National Board of Accreditation (NBA) on September 19, 2013 and subsequently in 2019. CETSOM is also an approved centre for carrying out management research. More than fifteen scholars have been awarded PhD in Management from this centre.

DEPARTMENT OF MECHANICAL ENGINEERING

The Department of Mechanical Engineering established in 1939 has been the heart and spirit of this premier institution right from its inception. This is the largest department of the institution in terms of the strength of students, technical staff and faculty. The majority of the faculty members have over 20 years of teaching experience and have a good number of publications in reputed journals and conferences. The Department offers two BTech programs, six MTech programs and participates in two interdisciplinary PG programs. The BTech and the MTech programs in Industrial Engineering started in the years 1982 and 1988 respectively. The department has sophisticated laboratory facilities to conduct research work on different specialized areas of Mechanical and Industrial Engineering.

ABOUT IMK

The Institute of Management in Kerala (IMK) was established under the tutelage of the University of Kerala in the year 1991. The University of Kerala is ranked 27th by the National Institutional Ranking Framework (NIRF) 2021 and has NAAC reaccreditation of A grade. The alumni of IMK are in key positions across the World. A Flagship management festival, 'MANIA' is organised every year with the support of institutions across the country. IMK offers MBA, MBA (Travel and Tourism), MBA (Evening), M.Phil, PhD and PDF. IMK has extended the MBA (Evening) programmes to HMA, ACSTI and CDC, Kerala. IMK specialises in teaching, research, extension and consulting services for the industrial and societal needs.

ABOUT DEPARTMENT OF HUMANITIES, IIST

Indian Institute of Space Science and Technology (IIST), Thiruvananthapuram, was established in 2007 to provide high quality human resources for the Indian Space Research Organization (ISRO). Ranked 40th for Engineering by National Institutional Ranking Framework (NIRF) in 2021. The Department of Humanities plays a distinctive role in IIST, where the ethos of science and technology prevails. The Department tries to bring in a holistic education that necessitates the study of the language, management and social sciences so that the application of the sciences for the improvement of the quality of life is aware of humanitarian and social concerns. One of the main aims of the Department is building communication and managerial skills and developing awareness regarding various issues concerning society, thus bringing in an all-encompassing and holistic development of the students. In addition to the carefully designed undergraduate programs (core and electives), the Department offers opportunities and facilities to pursue research in areas of English, Economics, Sociology and Management.

ABOUT THE CONFERENCE

CETSOM has been regularly organising "Kalpatha", a management conference aimed to bridge the gap between industry and academics by addressing current trends. To commemorate the 80th anniversary celebrations of CET, an International Conference on Advances in Industrial Engineering and Management is jointly organised by CET School of Management and Department of Mechanical Engineering, CET in association with Institute of Management in Kerala and Indian Institute of Space Science and Technology, Trivandrum. The conference will be conducted in hybrid mode.

CONFERENCE THEME

"Innovations in Management and Technology for Sustainable Development"

Sustainable development is a pressing issue that requires action due to its dynamic nature. Innovation is critical to building a sustainable world. "Innovate or Perish" has become the battle cry of businesses today. Now-a-days, sustainability in-turn has become a major catalyst for innovation. The quest for sustainability is already starting to transform the competitive landscape, forcing companies to shift direction and resources to innovate products, technologies, processes, and business models. Thus innovation is integral to sustainability and the duo must work in tandem. In order to maintain competitive advantage, companies should focus on developing sustainable practices to achieve their desired growth. This conference intend to provide a platform to the global participants for insightful and original discussion and present their research work on innovations in the various domains of management and industrial engineering that foster sustainable growth. In addition, this gathering will help the delegates to establish research or business relations as well as to find international linkage for future collaborations in their career.

OBJECTIVES OF CONFERENCE

The conference provides a platform for academicians, researchers and practitioners to:

- Disseminate research and analytical tools in technology and management domains for sustainable development
- Provide insights to the challenges, opportunities, and emerging paradigms in innovation leading to sustainable development

HIGHLIGHTS OF THE CONFERENCE

- Keynote addresses by eminent academicians and practitioners, both national and international
- Panel discussions
- Paper presentations
- Poster presentations



CALL FOR PAPERS

High quality research contributions describing original and unpublished work in all areas of Industrial Engineering and Management are invited for presentation at the conference. The following themes are included in the agenda. However, the areas are only indicative and are not strictly limited to the sub themes listed below. The researchers can submit the paper relevant to the conference. An extended abstract not exceeding 2000 words need to be submitted by 17:00 hrs , 10th February, 2022.

SUB THEMES

FINANCE AND ACCOUNTING

- Financial Engineering
- Financial Analytics
- FinTech
- Sustainable Financial Strategy
- Crowd Funding
- Financial Services and Markets
- Digital Finance
- Financial optimisation
- Application of Block chain in Finance
- Bitcoin Related Technology
- Risk Management
- Behavioral Finance
- Financial Derivatives

MARKETING MANAGEMENT

- Marketing Analytics
- Digital Brand Management.
- Rural Marketing
- E Tailing
- Customer Analytics
- Integrated Marketing Communication
- Ethics in Techno-Marketing
- Sustainable Marketing
- Green marketing
- Services Marketing
- Market Research
- Entrepreneurship Models
- Entrepreneurial Success Factors
- Leadership for Entrepreneurs
- Green Entrepreneurship
- Innovation Management
- Lateral Thinking
- Entrepreneurial Traits
- Sustainable Innovation
- Product Management

HUMAN RESOURCES MANAGEMENT

- Employee Retention
- Green HRM
- Talent management
- Organisation redesign
- HR Analytics
- HR Audit
- Digital Performance Management
- Cutting edge approaches to HR challenges
- Digital workplace
- Virtual employee engagement

TECHNOLOGY & OPERATIONS MANAGEMENT

- Green Manufacturing
- Building Agile Organisations
- Supply Chain Analytics
- Humanitarian Logistics
- Behavioral Operations
- Lean Six Sigma
- Operational Excellence
- Project Management
- Supply Chain Management
- Service Operations Management
- Behavioral OM
- Reverse Logistics
- Health Care Operations
- AI Applications

INDUSTRIAL ENGINEERING

- Innovative manufacturing
- Sustainable Manufacturing Systems
- Modeling and Simulation
- Industry 4.0
- Responsive and reconfigurable manufacturing
- Manufacturing Analytics
- Decision Making
- Knowledge Management
- Reliability and Maintenance Engineering
- Enterprise Risk Management
- Quality Management
- Ergonomics
- Human Factors Engineering
- Industrial Safety
- System Dynamics
- System Simulation

SUSTAINABILITY

- Sustainable Development Goals
- Equality, Equity and Development
- Development and Climate Change
- Conflict, Security and Development
- Biodiversity and Conservation
- Smart Energy Solutions
- Sustainable Thinking
- Business Sustainability
- Circular Economy

ENTREPRENEURSHIP AND INNOVATION

- Startup Ecosystem
- Social Entrepreneurship
- Sustainable Innovation and Eco Entrepreneurship
- Technology and Innovation

PATRONS

- Dr. Ashok Jhunjhunwala, Professor (IIT Madras), Principal Advisor to Minister of Power, MNRE and Railways, Government of India, Chairman, B.O.G,CET
- Dr. Byjubai TP, Director Technical Education

CONFERENCE CHAIR

- Dr. Jiji C V, Principal, College of Engineering Trivandrum

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- Dr. Mithra Manmadhan, Joint Organizing Secretary & Assistant Professor, CET School of Management



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SUBMISSION GUIDELINES

All papers must be original and not simultaneously submitted to another journal or conference. Extended abstract of the paper in not more than 2000 words (excluding tables, figures and references). Please refer the template attached in the conference website. Papers sent as per template will only be accepted.

<http://icaiem2022.cet.ac.in>

Best Presenter Award will be given for each of the sub themes.

IMPORTANT DATES

Abstract submission deadline:

10th February 2022

Notification of acceptance:

17th February, 2022

Full paper submission deadline:

28th February, 2022

Registration deadline:

7th March, 2022

Conference date:

18th March - 20th March, 2022

Submission Link:

<https://easychair.org/conferences/?conf=icaiem2022>

REGISTRATION FEES

CATEGORY	ONLINE	OFFLINE
• UG, PG STUDENTS & RESEARCH SCHOLAR	500	600
• ACADEMICIANS	1000	1500
• PRACTITIONERS	2000	2500
• FOREIGN PARTICIPANTS equivalent to Rs.4000	Dollar	amount

*registration fees is non refundable

ONLINE PAYMENT DETAILS

- Account Name : College of Engineering Trivandrum Management Association (CETMA)
- Bank Name: State Bank of India
- Account number: 57006018487
- Branch: Engineering College -Thiruvananthapuram 695016
- Bank IFSC code: SBIN0070268
- MICR code : 695002945
- SWIFT code : SBININBBT08

ABOUT THE VENUE

College of Engineering Trivandrum,
Engineering College P.O,
Thiruvananthapuram, Kerala - 695016.

<https://goo.gl/maps/LWG36wnPKnzzTazt5>

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