

ABOUT VIT

Vellore Institute of Technology (VIT) was founded in 1984 as Vellore Engineering College by Honourable Chancellor Dr. G. Viswanathan. VIT attracts students from all the states and union territories of India with more than 55 countries due to its academic excellence. The curriculum enables students to think innovatively through applied learning practices. Innovations like Fully Flexible Credit System [FFCS], Project-based Learning [PBL], entirely digitized academic portals and Hackathons assist students in equipping themselves for job skills and kindle their interest and curiosity, thereby molding them to be better problem solvers. VIT has strong tie-ups with Industries as well as to universities of national and international repute. These Memoranda of Understandings provide students with more significant opportunities to pursue higher education in their fields of interest. VIT also encourages new ideas, patents and continuously supports entrepreneurial activities. VITAA [VIT Alumni Association] has more than 85,000 alumni across the globe in all industries and strives as a backbone supporting teaching, learning, collaborative research and placements. The national and international clubs and chapters at VIT provide arenas for the students to think out of the box and excel in co-curricular and extra-curricular activities. VIT has been recognized as the "Institution of Eminence" by the Govt. of India and accoladed with A++ Grade by NAAC, MHRD, Govt. of India. VIT Information: www.vit.ac.in

ABOUT SCHOOL OF MECHANICAL ENGINEERING

The school of Mechanical Engineering is one of the oldest and the most prestigious schools of VIT. This school started functioning right from 1984, the year in which our institution began. The school of Mechanical Engineering offers 3 undergraduate and 6 post-graduate programs. The school has got a team of highly qualified faculty members, many holding PhDs from the elite institutes across the globe, to teach and train the best minds of this country. The pride of the school lies in the significant research funding received from several National and International agencies such as DST, DRDO, MNRE, CSIT, CVRDE, CPDO, IE, AR&DB, BRNS, ISRO, UGC, NRB, Royal Academy of Engineering, etc. The DST, Govt of India has recognized the school for its research activities and supported it in 2003 and 2010 under the FIST scheme. The school has modern facilities, enabling cutting-edge research in a wide spectrum of niche technological areas. Mechanical and Manufacturing Engineering is ranked within the top 9 in India and top 301-350 in the world as per QS World University Rankings by Subject 2022.

CHIEF PATRON

Dr. G. Viswanathan,
Chancellor, VIT

PATRONS

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Vice President, VIT
Dr. Sekar Viswanathan,
Vice President, VIT
Shri. G.V. Selvam,
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Registrar, VIT

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Dr. Devendranath Ramkumar,
Dean SMEC, VIT

ORGANIZING CO-CHAIR

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HoD – Manufacturing

ORGANIZING CONVENERS

Dr. K. Jayakrishna
School of Mechanical Engineering
Dr. Rajyalakshmi G
School of Mechanical Engineering



VIT
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)



CIRCULAR ECONOMY
CLUB



International Virtual Conference on Circular Economy 24th, September 2022



Organized by
**School of Mechanical Engineering
&
IISE-VIT Student Chapter
Vellore Institute Technology
Vellore – 632014**

About the Conference

The conventional understanding of economic activity is based on a linear model. Natural resources are extracted and transformed into products; the products are bought and used by consumers who, as soon as the products no longer fulfill their needs, throw them away. However, this model ignores the high economic, environmental and social costs related to the extraction, transformation and disposal of resources, and is therefore unsustainable in the long term. A Circular Economy (CE) offers an alternative model where the value of products, materials and resources is maintained for as long as possible and waste is significantly reduced or even eliminated. Keep resources in use for as long as possible, extract the maximum value from them whilst in use, then recover and regenerate products and materials at the end of each service life. Focused on “closing the loops”, a CE is a practical solution for living within our planetary boundaries. The transition towards a CE affects different policy areas, ranging from mobility, agriculture, land use and waste management, to business development and consumer education, concerning actors across all sectors and levels of governance. A CE is not something that any single institution or company can do alone. By its very nature, CE fosters connections across individual stakeholders and sectors. However, a transition to a CE is both a necessity and an opportunity, with the potential to offer long-lasting economic, environmental and social benefits. Considering the need for ensuring circularity in manufacturing and supply chain this virtual conference seeks original manuscripts on the following topics

- Circular Product design
- Circular Business Model
- Design for Remanufacturing
- Reverse Cycles and Cascades
- Sustainable Manufacturing in Industry 4.0
- Circular Supply Chain Management
- Other case studies related Circular Economy

Experts of the Conference

- **Mr. Shyaam Ramkumar, Lead Business Developer & Strategy for North, Circularise, U.S.A**
- **Dr. Otávio J. Oliveira, Professor and Head of Production Department, São Paulo State University (UNESP), Brazil.**
- **Dr. Konstantinos Tsagarakis, Professor, Technical University of Crete, Greece.**
- **Dr. Neyara Radwan, Associate Professor, Mechanical Dept., Faculty of Engineering, King Abdul Aziz University, S.A & Suez Canal University, Egypt.**
- **Dr. Sawarni Hasibuan, Dean, Department of Industrial Engineering, Universitas Mercu Buana, Indonesia.**

Target Audience

Faculty members, research scholars, postgraduate and undergraduate students, participants from industries working in the field of engineering management and applied sciences are eligible.

Certification

Participation and presentation e-certificates will be issued by the School of Mechanical Engineering, VIT, Vellore.

Registration Link: <https://forms.gle/jMy7D92ijwJMfvn36>