

**11** YEARS  
OF UNIVERSITY  
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**REVA**  
UNIVERSITY

Bengaluru, India



**School of Mechanical Engineering REVA University, Bangalore, India  
&  
Universiti Teknologi MARA, Malaysia  
Organises  
8<sup>th</sup> International Conference**

## **Sustainable Materials and Recent Trends in Mechanical Engineering**

(SMARTME-2024)

Date: 12<sup>th</sup> & 13<sup>th</sup> July, 2024

in association with  
**AUTODESK**

[www.reva.edu.in](http://www.reva.edu.in)

## About the Conference

8th International Conference on “**Sustainable Materials and Recent Trends in Mechanical Engineering**” (SMARTME-2024) will be held at REVA University, Bengaluru, India.

The conference will have plenary lectures followed by parallel sessions. Plenary lectures will be delivered by eminent personalities of repute to introduce the theme of the conference. Conference is to provide a platform to PG students, Researchers, Young aspiring Engineers & Academicians to present their research findings of their respective domains of knowledge and share their ideas and views.

## Call for Papers

### List of Topics

**SMART Materials:** Composites, Nano composites, Metallurgy & Materials Science, Nano & Smart Materials, Aeronautical & Automobile Engineering Materials, Metallurgy.

**Manufacturing:** CAD, CAM & CAE, Rapid Prototyping & Reverse Engineering, Virtual Reality, Mechatronics, Industrial Engineering & Management, 3-D Printing, Robotics, Artificial intelligence (AI), Internet of Thinking (IoT), Machine learning and Python Programming, Automation 4.0.

**Thermal Engineering:** Energy Engineering, Alternate fuels, Computational Fluid dynamics.

**Design Engineering:** Product Design & Development, Tool Design. Engine controls, Industrial Design, Aerodynamics and Adaptive design.

## Important Dates

- Last date for submission of Abstract : 10-04-2024
- Intimation of abstract acceptance : 15-04-2024
- Last date for submission of Full Length paper : 31-05-2024
- Acceptance of full length paper : 15-06-2024
- Submission Camera Ready paper : 22-06-2024
- Registration : 23-06-2024

Note : Submit abstract to: [icammme@reva.edu.in](mailto:icammme@reva.edu.in)

**Conference Link:** <https://www.reva.edu.in/smartme-2024>

Note : Participants can present through hybrid mode (Outside Karnataka only)



## About the REVA University, Bengaluru, India

REVA University is established in Bengaluru, Karnataka State under the Government of Karnataka Act 80 of the year 2012 and notified in the Karnataka Gazette dated 7th Feb, 2013. Located 14 kms away from the Kempegowda International Airport on the way to Bengaluru city, the University has a sprawling green campus spread over in 55 acres of land equipped with state-of-the-art infrastructure and conducive environment for higher learning. The founders of REVA University, with missionary zeal, visionary outlook and philanthropic approach coupled with four decade long entrepreneurial leadership and a decade long experience are recognized, as leading educational venture through fastest developing higher education campuses. The REVA campus has well equipped laboratories, custom-built teaching facilities designed specifically to emulate the working conditions, fully air-conditioned library and central computer centre. The well planned sports facility for variety of sports activities, facilities for cultural programs and friendly campus lifestyle add to overall personality development of students. The campus also has residential facility for students, faculty and staff members.

Currently, the REVA University offers 29 PG programs 48 Degree programs in Engineering and Technology, Science, Commerce and Management, Architecture, Law and Humanities in addition to research degrees leading to M Phil and PhD in different disciplines. The University aims to offer many more PG and UG programs in Science, Arts, Commerce, Management Education and Engineering and Technology and other discipline in coming years.

## The School of Mechanical Engineering, REVA University, Bengaluru, India

The schools of Mechanical Engineering of REVA University headed by dedicated and Experienced Professors of Mechanical Engineering and are supported by well qualified faculty members. The school has state of the art infrastructure and well equipped laboratories. The school offer B.Tech. in Mechanical Engineering, B.Tech in Mechatronics Engineering, B.Tech in Aerospace Engineering and M.Tech. Machine Design Programs. It also has research Programs leading to Doctoral degree. The curriculum of both graduate and post graduate degree programs have been designed to meet the present and future industrial requirements. Students attempt to bridge the gap between academia and industries. The well established R & D center and ongoing research projects from DST, KCTU and SERB etc.

## Registration

### Registration Details

Professionals/Academicians	: Rs.2000 (USD24\$)
Research Scholars	: Rs.1500(USD18\$)
PG Students	: Rs.1000(USD12\$)
Industry Participants	: Rs. 2000(USD24\$)

**Link to pay the conference fee:** <https://www.reva.edu.in/payment>

Note : After doing online registration please mail the filled registration details, scanned copy to [icammme@reva.edu.in](mailto:icammme@reva.edu.in)

### **ACCOMMODATION in REVA University, Bengaluru, India**

The participants may be accommodated in the university hostel on request basis at nominal charges, We have our own university buses flying on daily basis, from various parts of the city. Participants can make use of these facilities

### **Previous Conference-2023**

Autodesk Sponsored 7th International Conference on **“Sustainable Materials And Recent Trends in Mechanical Engineering”** (SMARTME-2023) held at REVA University, Bangalore, India.

The conference provided an open forum for scientists, researchers and engineers to exchange the latest innovations and research advancements in the areas of next-generation mechanical engineering. The conference includes plenary sessions from eminent researchers and tutorials on the state of the art in related areas. Contributions describing original research, surveys and applications are invited. The conference serves as a major international forum for presenting and sharing recent accomplishments and technological developments in the field of Advances in Mechanical Engineering. It involves participants (researchers, developers and users) and academic-industry, laboratories, and commerce, coming together to discuss recent advances and trends. The selected papers were published in **Scientific.net** (Q3 rated & Scopus), **JMMF** (Q4 rated & Scopus) and **Journal of Propulsion Technology** (Q3 rated & Scopus).



## Organising committee

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Chancellor, REVA University

**Dr. Umesh S. Raju**

Pro Chancellor, REVA University

### Chief Patrons

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Vice Chancellor, REVA University

**Dr. Shubha A.**

Pro Vice Chancellor

(Academics, Governance , Training & Placement) REVA University

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HOD-Mechanical Engineering, REVA University

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Professor, School of Mechanical Engineering, REVA University

**Dr. Niranjana Hiremath**

Associate Professor & HoD-Mechatronics Engineering, REVA University

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Asst. Professor, School of Mechanical Engineering, REVA University

**Dr. Karthikeyan A. G.**

Asst. Professor, School of Mechanical Engineering, REVA University



## Keynote Speakers



### Dr. Muthukumar Palanisamy

Dean Faculty Affairs, Professor  
Department of Mechanical Engineering, IIT Tirupati,  
Tirupati District, Andhra Pradesh, India



### Dr. Manoj Gupta

R & D Director & Professor,  
Department of Mechanical Engineering  
National University of Singapore, Singapore

## Publishing Partners

All abstract will be published in the conference proceedings. Selected papers after peer review and modifications will be published in Scopus Indexed Q rated/ UGC approved Journal. If the papers get selected by Scopus Indexed Journal, then the cost of publishing is borne by the author.

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## National Advisory committee

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