



**SAVEETHA**  
SCHOOL OF ENGINEERING  
Affiliated to AICTE | IET-UK Accreditation



**SAVEETHA**  
INSTITUTE OF MEDICAL AND TECHNICAL SCIENCES  
(Declared as Deemed to be University under Section 3 of UGC Act 1956)

Accredited to  
**IET** The Institution of  
Engineering and Technology



**NAAC**  
NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL



**nirf** 43<sup>rd</sup>  
RANK  
(By MHRD, Govt. of India)

Among All IITs, IIMs, Central, State, Private & Deemed Universities in India

## ICDAMS 2020

### 4<sup>th</sup> INTERNATIONAL CONFERENCE ON DESIGN, ANALYSIS, MANUFACTURING AND SIMULATION 9 - 10 April 2020



Organized by

Departments of Mechanical, Automobile and Agricultural Engineering

Saveetha School of Engineering

Saveetha Institute of Medical and Technical Sciences

Chennai - 602105, Tamil Nadu, India.

**Website:** [www.mechsssaveetha.com](http://www.mechsssaveetha.com)

**Email:** [icdams20@gmail.com](mailto:icdams20@gmail.com) **Cell:** +91-9176096592





## Conference Themes

The conference topics include, but not limited to the following thrust areas :

- ✓ Application of AI Techniques
- ✓ Applied Mechanics and Design
- ✓ Biomechanics
- ✓ Bio Composite/Nano/Smart Materials
- ✓ CAD/CAM/CAE/CIM
- ✓ Computational Fluid Dynamics
- ✓ Design and Manufacturing
- ✓ Energy Management
- ✓ FEA/FEM
- ✓ Fluid Dynamics
- ✓ Fuels and Combustion
- ✓ Green Manufacturing
- ✓ Heat and Mass Transfer / HVAC
- ✓ Industrial Engineering
- ✓ Industrial Tribology
- ✓ Instrumentation and Control
- ✓ Internal Combustion Engines
- ✓ Materials Preparation & Processing
- ✓ Mechatronics
- ✓ MEMS
- ✓ Micro and Nano-Machining & Manufacturing
- ✓ Nano-Technology
- ✓ NEMS
- ✓ Optimization of Systems
- ✓ Refrigeration and Air Conditioning
- ✓ Renewable & Non-renewable Energy Sources
- ✓ Robotics and Automation
- ✓ Simulation and Modeling
- ✓ Solid and Fracture Mechanics
- ✓ Six Sigma / ERP
- ✓ TQM / TPM / SPC / SCM
- ✓ Vibration and Noise Analysis
- ✓ Digital Manufacturing
- ✓ Agro-technical processes
- ✓ Processes and machines of Agro-Engineering systems
- ✓ Agricultural machinery
- ✓ Biofuel
- ✓ Nanotechnology in agriculture
- ✓ Precision farming
- ✓ Remote Sensing and Agri GIS
- ✓ Solid Waste Management

## Publications

In Scopus Indexed Journals

1. **IOP Conference Series: Materials Science and Engineering.**

ISSN: 1757-8981 E-ISSN: 1757-899X. Also indexed in EI Compendex and Inspec

2. **International Journal of Innovative Technology and Exploring Engineering (IJITEE)** E-ISSN: 2278-3075.

**Note :** All accepted papers after peer-review and plagiarism check, will be published in anyone of the above journals.



## Submission of Full paper

The prospective authors are requested to submit a soft copy of full paper in Normal Format carrying sufficient information for fair assessment through EasyChair link : <https://easychair.org/conferences/?conf=icdams2020>.



## Important Dates

<b>20.01.2020</b> : Submission of full paper (Normal Format)
<b>27.01.2020</b> : Notification for selection of paper
<b>28.01.2020</b> : Author registration & Payment of Registration Fee (Starts)
<b>04.02.2020</b> : Author registration & Payment of Registration Fee (Ends)
<b>11.02.2020</b> : Deadline for submission of full paper (Camera Ready Format)
<b>9-10 April 2020</b> : Conference

## Registration Fees

Category	Publication in IOP Conference Series: Materials Science and Engineering	Publication in International Journal of Innovative Technology and Exploring Engineering (IJITEE)
National Delegates	INR 7500	INR 11500
Industry Delegates	INR 8500	INR 12500
Foreign Delegates	USD 125	USD 175
Participants	INR 1500	

The full registration fee includes (i) participation in all sessions, programmes; (ii) a conference kit; and (iii) refreshments and lunch on the day of presentation. Kindly refer to conference website for further details on payment of registration fees.



## Conference Organisation

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## About Us



**Saveetha Institute of Medical and Technical Sciences (SIMATS)** is based in Chennai, Tamil Nadu, a state of Southern India. SIMATS is one of the India's Leading Education Machineries and the largest Specialist Centre for Education inclusive of all disciplines like Medicine, Dental Surgery, Engineering, Architecture, Physiotherapy, Nursing, Law and Management.

The Infrastructure, Programmes, Accreditations and Partnerships further reaffirm the Univeristy's leadership position in the Motherland.

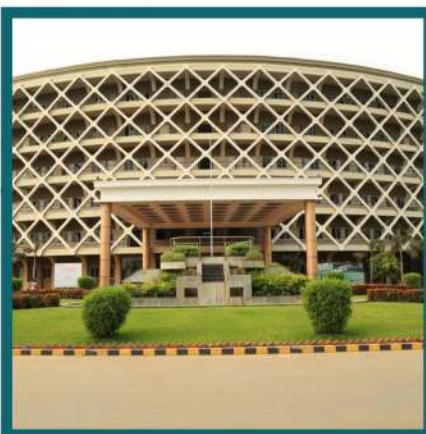
## Saveetha School of Engineering



**Saveetha School of Engineering (SSE)** A Premier Engineering Institution of the esteemed Saveetha Institute of Medical and Technical Sciences (SIMATS) was established in the year 2006 with an objective of crafting the "World's Best" in the technical disciplines. The uncluttered and amalgamated curriculum aids the students to choose from an extensive array of cross disciplinary courses, which benefits them to cater to the prerequisites of the world. Our inimitable curriculum and teaching schemes enhances critical

thinking, thus hones our students to deliver solutions to the technical glitches of the world. Saveetha School of Engineering, in a pioneering move has established "Saveetha Engineering Industries" (SEI) - An industry within the institute, follows an activity based learning system Multiple Integrated Learning Algorithm (MILA) and has Saveetha Foreign Language Centre (SFLC) & Saveetha Learning Resource Centre (SLRC) to transform lives of the students who aspire to think 'global'.

## Saveetha College of Architecture & Design



**Saveetha College of Architecture And Design (SCAD)** offer B.Arch course which is a creative degree that provides a wide range of choices. Designed for flexible and creative architects seeking innovative design solutions for a better and more sustainable world.

**SCAD** has unique curriculum of a solid foundation in Architecture Design, a practical hands-on project-based methodology and a focus on real life challenges.



## Mechanical, Automobile & Agricultural Engineering Departments

Department of Mechanical Engineering (established in the year 2009), Department of Automobile Engineering (established in the year 2013) & Department of Agricultural Engineering (established in the year 2018) offers UG, PG and Doctoral Programmes. The departments has well qualified and experienced faculty members from both Academics and Industries. Departments envisages to create a research hub engaged in contemporary research in association with industries and other institution, impart best - of - class education to the students with up-to-date curriculum and content in tune with industry requirements and foster a spirit of entrepreneurship among the students to enable a few launch their own ventures. The department emphasis on Industry - Academia Collaboration programs, also semester abroad programme and 3 month internships are facilitated to carry out their final year project work.



## About the Conference

Outcome of this conference will provide a formidable foundation for the building of a superstructure for the future prospects of technological advancements in the country. The recent challenges faced by today's engineers are forcing them to keep abreast of the emerging trends through continuous research and development. ICDAMS 2020 is intended to provide a common platform for the academia and industrial experts to exchange their views through interaction, presentation and sharing of knowledge and experiences, to tackle innovative projects and problems in the challenging areas in their respective fields.

