

## **ABOUT THE COLLEGE**

K.S.R College of Engineering was established in the year 2001 by Aarthi Educational and Charitable trust, approved by AICTE, New Delhi and affiliated to Anna University Chennai is an ISO 9001-2008 (E) certified and NBA accredited institution. The institution is conferred with the autonomous status by UGC & Anna University, Chennai in the year 2011. Our college offers 7 UG and 13 PG Programs in Engineering Technology and Management. The college has completed fifteen years of dedicated service in the field of technical education with an avowed mission to mould students, technologies and managers, by diligently imparting the best of technical education, nurturing human values and quality as well as to foster and maintain mutually beneficial partnership with industry through knowledge sharing, collaborative research and innovation.

## **ABOUT THE DEPARTMENT**

The Department of Mechanical Engineering was established in the year 2005 with an intake of 60 students. The department is having qualified and experienced faculty to cultivate and enhance the knowledge of the student community. The department is continuously striving to impart knowledge through practical exposure. Skill development trainings and industrial visits are regular features of the academics. The department aims at developing intellectually alert, scientifically progressive, globally competent and dynamic young IT professionals. The students are transformed into technically qualified & employable human resources for the development of society.

## **ABOUT THE VIRTUAL CONFERENCE**

The event gives a platform for knowledge dissemination and understanding in-recent advancement in engineering, technology, and management towards design, development, and deployment of a product. The knowledge of design, manufacturing and processing of material, as well as the simulation helps in product realization. by employing suitable processing and manufacturing.

## **NATIONAL ADVISORY COMMITTEE**

Dr. V. Ananthakrishnan, NIT Trichy  
Dr. C. Senthilkumar, University campus of Punrudi  
Dr. R. Gopalakrishnan, Principal, KSRCT, Namakkal, Tamilnadu, India.  
Dr. R. Magudieshwaran, Principal, KSRPC, Namakkal, Tamilnadu, India.  
Dr. P. Kulandaivelu ,Principal, KSRIT, Namakkal, Tamilnadu

Dr. V. Radhakrishnan, ,Principal, KSRCAS, Namakkal, Tamilnadu  
Dr. M. Karthikeyan, ,Principal, KSRCASW, Namakkal, Tamilnadu  
Dr. T. Palanisamy, Assistant Professor, NIT, Warangal, Telangana, India.  
Dr. S. Saravanan, Associate Professor, KRCT, Trichy

## **CONFERENCE ORGANIZING COMMITTEE**

Dr. G. Nallakumarasamy - Publicity Chair  
Dr. P. Dhiravidamani - Program & Publication Chair  
Dr. T. Sureshkumar – Virtual Presentation chair  
Dr. M. Bhuvaneshwaran - Virtual Presentation chair  
Mr. P. Rajendran - Program & Publication Chair  
Mr. K. Venkateshwaran - Proceeding and E-mail  
Mr. C. Senthilkumar - Publicity Chair  
Mr. P. Saravanan - Publicity Chair  
Mr. C.M. Dinesh - Proceeding and E-mail  
Mr. K. Chandrasekeran - Proceeding and E-mail  
Mr. J. Venkatesh - Payment & Registration  
Mr. P. Jagadeesh- Proceeding and E-mail  
Mr. K. Perumal - Virtual Presentation chair  
Mr. M. Anbalakan - Payment & Registration  
Mr. P. K. Sriraman - Payment & Registration  
Mr. T. Kandasamy - Program & Publication Chair  
Mr. S. Durai - Payment & Registration  
Mr. S. Elankathir - Publicity Chair  
Mr. R. Barathkumar - Proceeding and E-mail  
Mr. K. Manogar - Publicity Chair  
Mr. S. P. Gowtham - Publicity Chair

## **BROAD AREAS**

### **Materials for new product development:**

Characterization of Bulk & Micro,  
Nano and Smart Materials,  
Characterization of Metal and Ceramic Matrix,  
Synthesis of Polymeric Composites,  
Wear, Tribology and NDT  
Virtual reality technology in PDD and manufacturing Virtual reality physical modeling,  
Virtual behavior and management techniques

### **Product Definition, Modeling and Simulation:**

CAD/Geometric Modeling, Requirements Engineering,  
Conceptual Design,  
Simulation Based Engineering,  
Finite element analysis, Computer Aided Engineering,  
Multidisciplinary and Optimization,  
Smart materials

### **Automation and control:**

Human-robot /Robot-robot collaboration and Robot motion control.  
Robotics, Mechatronics,  
Cloud-based automation,  
Cyber physical production systems and Industry 4.0,  
Automated fault detection  
Product maintenance using virtual reality,  
Fixture/jig analysis using virtual reality,

### **Design Engineering:**

Combustion modeling and simulation, Aerospace systems and technology,  
Optimization of Systems,  
Virtual reality and augmented reality,  
CAD/CAM/CAE/CIM,  
Rapid Prototyping,  
Nano composites and micro mechanics,  
Noise analysis and Machine design.

### KEYNOTE SPEAKERS

**Dr. Sankar Sekar**  
Dongguk University

**Dr. V. Dhinakaran**  
Chennai Institute of  
Technology

**Dr.V. Preethi**  
Hindustan University

### Registration Fee Indian Authors:

Category I: Rs. 500/- per paper (E-Certificate to all the authors in the paper) Additional Charges will be applicable for Scopus indexed Publications

### Foreign Delegates:

Category I : \$10 per paper (E-Certificate to all the authors in the paper) Additional Charges will be applicable for Scopus indexed Publications.

### Paper Submission link:

### CHIEF PATRONS

**Lion. Dr. K.S.Rangasamy MJF**  
Founder & Chairman,

**Thiru . R.Srinivasan**  
Vice-Chairman,

### PATRONS

**Dr. P. Senthilkumar**  
Principal & Professor  
K.S.R. College of Engineering

### CONVENOR:

**Dr. S. Magibalan**, Assistant Professor, Dept. of  
Mechanical Engineering

**Dr.A.V.Balan**, Professor, Dept. of Mechanical  
Engineering

### Important Dates:

|                              |                   |
|------------------------------|-------------------|
| Submission of Abstract       | : 01 July 2021    |
| Intimation of Selected paper | : 19 Sept 2021    |
| Last date for Registration   | : 20-21 Sept 2021 |
| Last Date for Full paper     | : 22-23 Sept 2021 |

### CONTACT US

The Principal,  
K.S.R. College of Engineering  
K.S.R. Kalvi nagar,  
Tiruchengode-637215, Namakkal (D.T), Tamilnadu, India.

### Mail ID:

[mechicsm2k21@gmail.com](mailto:mechicsm2k21@gmail.com)

### Enquiry:

Dr. A. V. Balan : 9842397730  
Mr. S. P. Sankar : 9994718682

**ICSM 2K21**

## **INTERNATIONAL VIRTUAL CONFERENCE ON SUSTAINABLE MATERIALS**

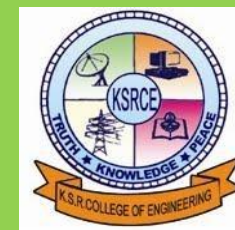
**On 24-25 September 2021**

### Organized by

**Department of Mechanical  
Engineering**

**K.S.R. College of Engineering  
(Autonomous)**

Approved by AICTE & Affiliated to  
Anna University Chennai, Accredited  
by NAAC with "A" Grade,  
Tiruchengode – 637 215  
Phone No: 04288-274213



URL : [www.ksrce.ac.in](http://www.ksrce.ac.in)