



## REGISTRATION FORM



### TECHNICAL PAPER CONTEST

Organized by

#### SAE STUDENT CHAPTER

Department of Mechanical Engineering

Velagapudi Ramakrishna Siddhartha Engineering College,  
Vijayawada- 520007

Name of Authors: 1. ....

2. ....

Title of Paper: .....

Institution Name: .....

Branch & year of study: .....

Address: .....

.....

.....

Mobile No: .....

Email: .....

Signature of the  
Candidate

Signature of the  
Head of the Institution  
with seal

#### Who can Participate

UG & PG Students of Mechanical, Electrical, and allied departments.

#### **Note:**

- \* No registration fee
- \* All participated students will get a certificate.
- \* The event will be conducted though online
- \* Online registration link:  
<https://forms.gle/is8zi5hrzTRWiLrb8>

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**Dr. M. Jogendra Prasad**

Asst. Professor

**Mrs. G. Srivalli**

Asst. Professor



## Technical Paper Contest On Recent Trends in Automotive Technologies



SAEISS, AMARAVATHI DIVISION, A.P

Under SAE Student Chapter

**27<sup>TH</sup> OCTOBER 2021**



### Organized by

Department of Mechanical Engineering  
Velagapudi Ramakrishna Siddhartha Engineering College

(Autonomous)

Vijayawada-520007, Andhra Pradesh

[www.vrsiddhartha.ac.in](http://www.vrsiddhartha.ac.in)

Phone: 0866-2582333, 2582672

Fax: 0866-2582672



### About the College:

Velagapudi Ramakrishna Siddhartha Engineering College (VRSEC) was established in the year 1977 as the first self-financed engineering college in the state of combined A.P. It is located in a vast expanse of 24 acres of land on the outskirts of Vijayawada city at a distance of about 6 km from the city Centre. The institution offers 7 undergraduate programmes and 11 postgraduate programmes. The faculty at present is 350, comprising of well-qualified professionals with varied experience and backgrounds.

The college was accredited by NAAC with an A+ grade and certified for ISO 9001:2015. It is among the top 16 engineering colleges which were selected under World Bank aid for R&D and PG enhancement Programme called TEQIP-II (S.C.1.2) by MHRD, Govt. of India and secured All India ranking of 178 by NIRF.

### About Department of Mechanical Engineering:

The department of Mechanical Engineering was established in the year 1977. At present offering one UG Program (B.Tech) with an intake of 180 and two PG Programs (M.Tech) in CAD/CAM and Thermal Engineering, with an intake of 18 each. The Department was recognized by AICTE in 1993. The UG programme was accredited four times by NBA, GOI, New Delhi, in the years 1999, 2005, 2009 and 2015 and the PG programme of CAD/CAM in 2015.

The department has well-equipped laboratories like CAD/CAM lab and Mechatronics lab with advanced modelling and simulation software, CNC Lathe, 3D printer, Robot, State-of-the-art E-classroom with accessories to support hands-on visual learning. High academic standards are maintained in the department with the help of experienced, qualified and dedicated faculty members with various specializations following the Outcome Based Education System.

The Department has established the Centre of Excellence in Composites funded by DST-FIST and also 10 advanced laboratories in association with Siemens and APSSDC, 3D Experience centre with Dassault systems

for skill development of young engineers in core areas of Mechanical Engineering.

All the faculty are actively involved in research work and the findings are published in reputed journals.

### Theme of the Paper Contest:

The Automotive Industry is adopting new technologies in its operations day by day. Technologies like advanced driver assistance systems, autonomous vehicles, alternate fueled vehicles, hybrid, and fully electric vehicles have been around for while. Newer technologies like automatic braking sensors, motorway lane sensors, and self-parking technologies also have numerous applications in automotive Industry. The main theme of this paper contest is to spread awareness about updated technologies in the automotive field to engineering aspirants. This event can also be the platform for the students who are willing to express their ideas related to the automotive industry.

### Topics for Technical Paper:

- ◆ Alternate Fueled Vehicles (Hydrogen, Biodiesel, liquid nitrogen, etc. as fuels).
- ◆ Autonomous Vehicles, Automated Driving, and Advanced driver-assistance systems.
- ◆ Lightweight materials for Vehicle Design.
- ◆ Hybrid & fully electric vehicles.
- ◆ Noise, Vibration harshness in Automotive Systems.
- ◆ Vehicle safety technologies.
- ◆ Night vision technologies in automobiles.
- ◆ Any other topic relevant to automotive technologies.

### Important Dates:

Last date for submission of paper:

**14<sup>th</sup> October 2021**

Acceptance notification for the oral presentation:

**20<sup>th</sup> October 2021**

### Author Guidelines:

- ◆ Full paper should consist of introduction, important past literature survey, description of the problem, and results.
- ◆ Paper size -A4, Font - Times New Roman, Text - 12 Normal + 12pt.
- ◆ Title of paper - 14 Bold, Sub Title - 12 Bold.
- ◆ Page numbering on right bottom of each page.
- ◆ Page printing only in one column & one side of paper.
- ◆ The submitted paper should not be more than 6 pages.
- ◆ Full paper to be sent to [saevrsec@gmail.com](mailto:saevrsec@gmail.com)

### SCHEDULE OF PAPER PRESENTATION

**27<sup>th</sup> October 2021**

10:00 AM to 10:15 AM : Welcome gesture

10:15 AM to 12:30 PM : Session-1

01:30 PM to 04:30 PM : Session- 2

### CASH PRIZES



### Address for Correspondence

### Coordinators

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