

CONDUCTED BY RSTE  
WITH ASSOCIATION OF  
VARIOUS AUTOMOBILE MNCs



# SAUR URJA VEHICLE CHALLENGE

## **RULEBOOK INFORMATIVE SUVC- 2021**



IN ASSOCIATION WITH



**SEASON- 4**

Saur Urja Vehicle Challenge (SUVC) is a national level solar electric vehicle design competition organized by Refrangible Society.

## Our Core Values

**TEAM**



**PASSION**



**SUVC**

**INNOVATION**



**RESPONSIBILITY**





## INTRODUCTION

### About the SUVC

**VISION:** -To bring the focus of the future leaders towards Sustainable development, Cutting edge Technology & Methods to utilize green and clean energy by acting as a bridge between college world and corporate world.

**MISSION:** - To develop students for industry-fit technocrats driven by providing conducive environment for creative and innovative education through project-based learning, case studies, frameworks.

**GOAL:-** To apply student skills outside of the classroom by developing and design a electric -solar car that hone your Leadership Skills, Management, Interpersonal skills and develop holistically among participants.

*SUVC is a vehicle project-based learning training program in which students design & develop their dream vehicle by innovative thinking, soft skills, competitive skills and other sets of skills through making live running vehicle project and frameworks provided by professionals working in various MNCs. SUVC helps students in expanding their concepts in the automobile sector and latest technology used.*

It is a National-level engineering vehicle-design event in which a diligent team of minimum 7 members and maximum 40 members do the retrofitting in available petrol hatchback cars and make vehicle according to the competition and compete with other teams in 7 Static Tests and 5 Dynamic tests to take the golden title of SUVC.

It is a platform for team members to build and have command over various real and practical problems. The event is organized by RSTE (Refrangible Society of Technophile Engineers).

SEASON 1 : GWALIOR , M.P.

SEASON 2 : COIMBATORE, TAMIL NADU

SEASON 3 : COIMBATORE, TAMIL NADU

SEASON 4 : AS PER TEAMS VOTE - TILL 30 SEPTEMBER 2020

## OUR PRESTIGIOUS CUSTOMERS



**Hindusthan**  
College of Engineering and Technology  
(An Autonomous Institution)  
Approved by AICTE, Affiliated to Anna University, Chennai  
Accredited by NBA, Accredited with 'A' Grade by NAAC



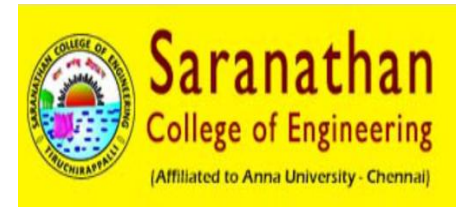
**S. B. Jain Institute**  
of Technology, Management & Research  
NAAC ACCREDITED WITH 'A' GRADE



**A P S**  
COLLEGE OF ENGINEERING

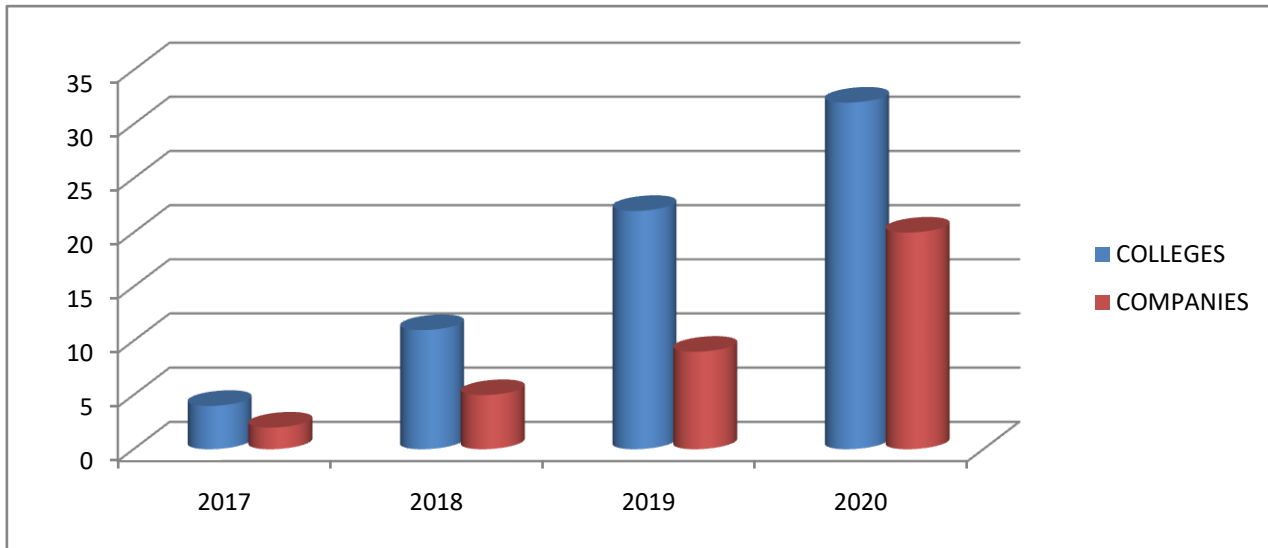


**K. RAMAKRISHNAN**  
COLLEGE OF ENGINEERING  
Permanently Affiliated to Anna University Chennai and Approved by AICTE, New Delhi  
ISO 9001:2015 Certified Institution, Accredited with 'A' grade by NAAC  
Samayapuram, Trichy, Tamilnadu



राष्ट्रीय प्रौद्योगिकी संस्थान राउरकेला  
National Institute of Technology Rourkela





## OUR ESTEEMED RECRUITERS

MOTRAC MOTORS PVT LTD

REFRANGIBLE SOCIETY

TRIDENT LOGISTICS

LLUVIA INDUSTRIES

SOLAR INDIA

MESSER CUTTING SYSTEMS

LAUNCH INDIA

PERIYASAMY INDUSTRIES & MANY MORE..

## OUR HONOURABLE INTERNATIONAL CAREER SUPPORT EXPERTS



Mr. Divyanshu Purohit

Development Engineer, Autonomous Vehicles  
ORGANIZATION: GENERAL MOTORS

COUNTRY : TORONTO, CANADA



Mr. Shubham Rathore

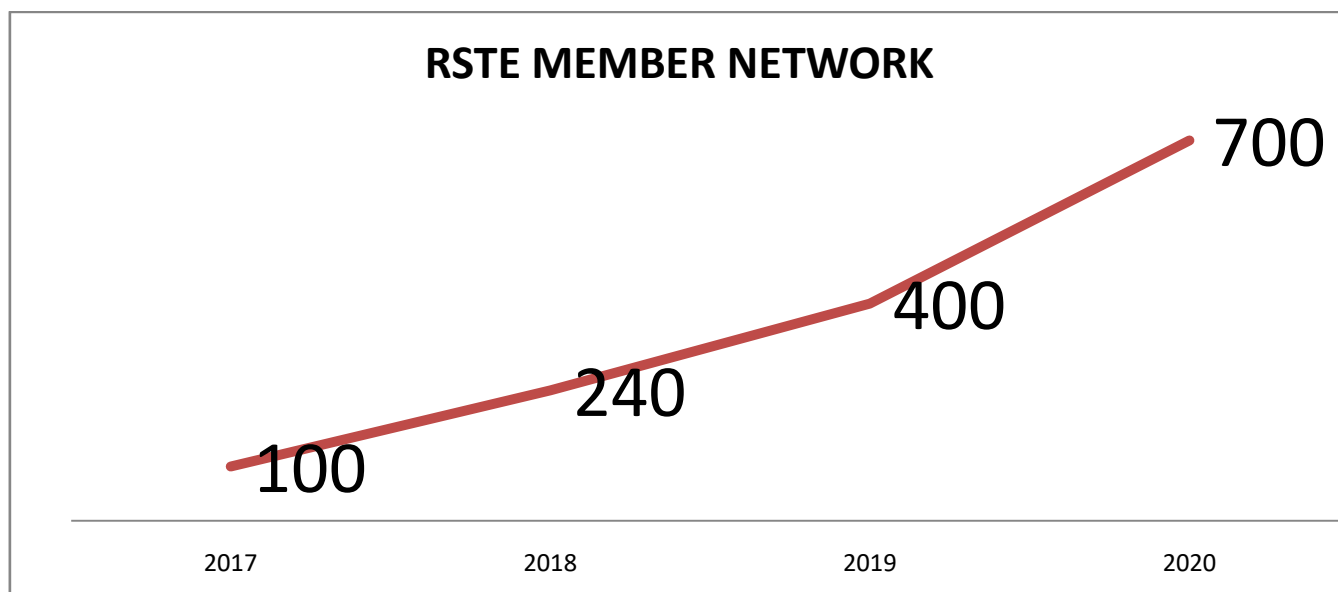
Solar Design Engineer, Solar Plant  
ORGANIZATION: SOLARTUM

COUNTRY : AMSTERDAM, NETHERLANDS

## About the Society

RSTE (Refrangible Society of Technophile Engineers) is a govt. registered society under Act 1973, Section 44 which is run by Automobile Engineers studied from B.S.F. institute and hence very much concerned about the time management and discipline. Society is passionate about green and clean environment. RSTE highly appreciates feedback of society members as well as event participants and is willing to extend every possible help required. Its purpose is to convert innovative ideas of individuals into sustainable real solutions through engineering innovation.

RSTE Society also provides sponsorship to teams who are participating in the Creative Product Exhibition, Motorsport Events or any such event.



### Pillar for Success:

1. Mr. Santosh Pant – Renault Nissan Technology
2. Dr. Ras Mathew – Hindusthan College of Engineering and Technology
3. Mr. Gaurav Saxena – Audi Trainer, B.S. F. Academy Tekanpur
4. Dr. Namita Saxena - Rustamji Institute of Technology and many more



## SUVC – Season 4 Training Calendar

*By following proper time schedule students will learn time management and can manage their priorities.*

| S. No. | Description                           | Tentative Date                                 |
|--------|---------------------------------------|--|
| 1.     | WORKSHOP                              | APRIL 2020 – MARCH 2021                        |
| 2.     | Phase 1 document submission last date | 30 SEPTEMBER 2020                              |
| 3.     | Phase 2 document submission last date | 31 OCTOBER 2020                                |
| 4.     | Virtual Round                         | OCTOBER- DECEMBER 2020<br>LAST RULEBOOK UPDATE |
| 5.     | Phase 3 document submission last date | 31 Jan 2021<br>Last team formation             |
| 7.     | Final Round ( Tentative)              | Feb- April 2021                                |

- Workshop, Virtual and final event date will be decided as per teams voting. Votes will be allowed only till 30 September 2020.
- Venue will be decided as per teams voting (For Virtual and Final Event) Votes are allowed till 30 September 2020.

**Respective Teams /College can also invite organizers to conduct Virtual round in their institute. It will help them to save transportation expenditure on signing the MOU between both parties.**

©SUVC | [www.suvcste.com](http://www.suvcste.com) | Ph. 8770201773, 9617577301|  
<https://www.facebook.com/suvcste>



## SUVVC Objective

The SUVVC competition provides a platform to teams of university undergraduate and graduate students to conceive a design, fabricate, develop and compete with a self-made vehicle.

To give teams the maximum design flexibility and freedom to express their creativity and imagination, there are very few restrictions on the overall vehicle design.

The challenge for the teams is to develop a vehicle that can successfully pass in the entire various static and dynamic test described in the rulebook. The competition provides a platform for teams to demonstrate their skills in front of corporate personalities and prove their creativity and their engineering abilities among all the teams present.

By the help of this competition, participants can develop their various soft skills which in turn can help them in achieving their desired Job Designation in the corporate world. Following are some of the key skills developed in previous SUVVC participants with their corporate designation based on a survey done by RSTE.

| SKILLS               | DESIGNATION IN MNCs            |
|----------------------|--------------------------------|
| Management skills    | Manager/HR                     |
| Technical skills     | R & D Engineer/ Technical Head |
| Leadership Skills    | Team Leader/ Project Head      |
| Presentation Skills  | Professional Trainer/ Speaker  |
| Communication Skills | Expert/Judges/Officers         |

## Vehicle design objectives

For the purpose of SUVVC competition, teams should assure that they work for a design firm that is designing, fabricating, testing and demonstrating a prototype vehicle in the segment of a smart and master vehicle.

Vehicles should have high efficiency in terms of power utilization and high performance in terms of acceleration, braking, handling, and driver ergonomics.

Additional design factors to be considered include aesthetics, cost, ergonomics, maintainability, manufacturability, and reliability.

Once the vehicle has been completed and tested, the teams will work on business plan layout, for Business Plan round and other services offered at professional level.





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## Official announcement and competition information

Teams are required to visit their official team mail id and event website on a regular basis. All the official announcement will be published on the website, team official mail id, and Facebook page. For any info visit – [www.suvcrste.com](http://www.suvcrste.com)

***Teams are requested to put their queries on official mail id (suvcr20@gmail.com). All queries will be solved within 48 hours on the working days.***



## GENERAL INSTRUCTIONS

*By following general instructions, students will learn about the basic functioning of a company.*

- **Every Team is awarded with Memorable Award for Faculty Advisor, Team Leader for their futuristic thinking and the team will get Certificate for clearing Virtual.**
- Team Individual Member can participate in **Major Project Exhibition** held simultaneously during the Event.
- **We are always ready to help the participants, if they find any type of problems in Calculation or Production; they are free to ask to their specific assigned dedicated team mentors from SUVC.**
- Teams should check their official mail and Whatsapp group regularly. Framework of Phase Reports will be mailed to the teams and their official group.
- We appreciate the work of every team. Due to the heat of action in case of any miscommunication with any team during the final event, the teams are requested to get help at the helpdesk as soon as possible.
- After every dynamic and static round, the timing and scoring points will be written in SUVC exclusive score sheet by the judges and the Captain/Vice-Captain should verify it on the spot.
- **After the Award ceremony as a token of memory, teams can take their Pit Identification Banner along with them.**
- Vehicle-related documents should be submitted on the given dates. Any team having their exams on these dates will be excused only if they notify about the exams to society beforehand.
- Teams will present their concepts, CAD models, presentations on different departments of their developing Vehicle in Virtual of SUVC-21, where industrial experts will judge teams on the basis of written test and presentation for 200 Marks, accordingly Virtual Winner will be decided. Teams can also clear all the doubts related to vehicle as well as the main event in this Virtual Round.
- **RSTE-Technical Clubs established in various colleges can also organize workshop and training programs in their campus to make an award-winning vehicle, Gain Sponsorships from RSTE and begin your long and fruitful journey with us.**



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## TEAM REQUIREMENTS

*By following team requirements, students will learn about decision-making and HR policies.*

### Educational Eligibility

- A participant should be an undergraduate, pursuing engineering from any trade or stream from a recognized University/Technical Institute.
- RSTE-Technical Club Members.
- He/she can be pursuing diploma from any recognized Technical Institute in any trade or stream.
- Also 2020 graduated students can participate.

### Team Eligibility

- **Team Name**

Each team should have a unique name, through which they will register in the Competition.

Each team should have its own logo; a logo should have a USP: Unique, Simple & Purpose defining.

A team can have a motto, or catchy lines, to make their vehicle more attractive.

Teams which have members from different college/universities should register themselves under a single college name and single team name, with their understanding.

- **Team Size**

Team size should have minimum of 07 Members and maximum of 43 members including faculty advisor

A team should have minimum: -

**One Faculty advisor:** Faculty Advisor should guide and motivate the team towards the team's objective, innovation and check their team progress and help them in organizational/institute paperwork/procedures to win the title of SUVC.

**One Team Leader/ Admin:** Team leader should encourage the team members to work towards all SUVC objectives and form strategies for the team to win in the final event and make team members enough capable that they can continue learning in the upcoming year and are able to assign captain and other members on their own.

**One Captain:** Captain should control all the deadlines and make the team to finish their work within the time frame. The captain should be technically sound in addition to good management skills.



**One Vice-Captain:** In the absence of the captain, vice-captain should handle all the responsibilities of the captain.

**One Accounts Head:** Take care of all financial records and suggests decisions as per the team's financial budget.

**One Marketing Head:** Should take care for team's Fb page, WhatsApp group, sponsors, investors, crowd funding, photographs, etc.

**Two Drivers:** Should be physically fit and attentive while driving with the ability to sustain in fire proof suit for at least 3 hours continuously.

- **Official Mail-Id**

Teams should have their specific corporate type email account which consists of **SUVC** prefix or suffix.

Example: **SUVC.teamsurya@gmail.com**

All the important information and announcements will be sent on this account only. Emails from ONLY official email account will be considered for Help and Support.

- **Official WhatsApp Group**

Teams have to maintain an official WhatsApp group in which minimum one SUVC organizers should be present as admin so that quick/short notice will be transferred to the team. A team can also discuss their winning strategies in this group.

- Teams preferred to have maximum of 2 faculty advisors and one H.O.D. For Complete girls' team, it is advisable to have minimum one female faculty advisor.
- Faculty advisors will be preferred to accompany their team to the event and Virtual but are not allowed to help their team directly in (product designing, research work and various tests) any condition.
- Each Team must fill Indemnity, Caution Money form, Certificate Issue form and Liability form before entering the dynamic event.
- Team should have gate in and gate away pass for unloading and loading their vehicle at the event site which will be provided at the helpdesk.





## REGISTRATION

*By following registration process, students learn about a company's legalities and financial analysis.*

### Registration Process

A team can contact us via the website, email or phone (provided at the last of this rulebook in organizer Team Details).

- Following which organizers will send the **Registration Form (also available on the website)**, teams then have to fill the form and **get enrollment id** from SUVC organizers on their team's email account.
- Teams are required to **pay the enrollment fees** within 7 days
- Add the complete details of all team members in the **offline Registration Form** provided including captain, vice-captain and faculty advisor and **submit it along with registration** to us after enrolling. **Teams are instructed to bring the hard copy of Registration Form during final event.** Also, **submit color scanned copy of Registration Form in PDF format** on our email account.
- Date of submission of this Registration Form by team will categorize teams for Registration fees.
- **Submit registration fee in the society account** according to the information given in the next section.

**Upload payment proof** on SUVC official email account.

## SUVC REGISTRATION FEES - 20,000/- ONWARDS

| Registration Category | Registration Date        | TOTAL FEE ( FOR NON-RSTE Club | SUVC TEAM Enrollment Fee | SUVC Event Registration Fee |               |
|-----------------------|--------------------------|-------------------------------|--------------------------|-----------------------------|---------------|
|                       |                          |                               |                          | For Non-RSTE CLUB           | For RSTE-Club |
| Acute                 | 15 April - 31 May 2020   | 34000 INR                     | 5000 INR                 | 29000 INR                   | 15000 INR     |
| Active                | 01 June – 15 August 2020 | 36000 INR                     | 5000 INR                 | 31000 INR                   | 20000 INR     |
| Obtuse                | After 15 August 2020     | 40000 INR                     | 5000 INR                 | 35000 INR                   | 25000 INR     |

\* Above mentioned fees are in INR including all taxes.



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## REGISTRATION FEES INCLUDE:

1. MENTOR ALLOTMENT FEE
2. PIT ALLOTMENT FEE
3. VIRTUAL REGISTRATION FEE
4. VIRTUAL CERTIFICATION FEE
5. FINAL EVENT REGISTRATION FEE
6. FINAL EVENT CERTIFICATION FEE
7. PLACEMENT DRIVE FEE

**Acute category:** Team submitting the **Registration Form** along with full registration amount before 31 May, 2020 will be considered in the Acute category.

**Active category:** Team submitting the **Registration Form** along with full registration amount between 01 June, 2020 & 15 August, 2020 will be considered in Active category.

**Obtuse category:** Team submitting the **Registration Form** along with full registration amount after 15 August, 2020 will be considered in Obtuse category.

Teams have the chance to pay the registration fees in three installments:

Installment 1 is to be paid within 1 Month after submission of Registration Form.

Installment 2 is to be paid within 2 Month after submission of Installment 1

Registration fees must be submitted to the society within the deadlines, late fees will be charged **INR 200/-** per day.

**Teams who are unable to submit the fee in due time will not be levied any late fee charges if they notify the organizers beforehand mentioning their genuine reason.**

## Fee Submission Mode:

- Online Money transfer (using IFSC) through any bank.
- NEFT through any bank.

## ACCOUNT DETAILS:

**PAY VIA GOOGLE PAY/UPI:  
8269709963 - RSTE ACCOUNTS**

## BANK DETAILS

### Society Account details:

**Name:** REFRANGIBLE SOCIETY OF TECHNOPHILE ENGINEERS

**Account number:** 635601010050047

**IFSC code:** UBIN0563561

**MICR code:** 474026006

**BR code:** 563561

**Address:** HIGH COURT, GWALIOR, 474011



**SCAN AND PAY**

Teams finding any problem regarding payment issue are requested to contact us at +91-8269709962.

Registration Fees will not be refundable in any case until and unless the event is cancelled due to major problems (like flood, bad weather, emergency govt. policies). The organizer reserves the right to cancel or abandon the event and, in that case, only Registration Fee will be refundable or transferrable to the next event.

**If teams want to book final event t-shirts for their team members and want to have a professional appearance, They should inform organizers at the time of registration along with t-shirt sizes for their team members.**





## Document Submission

*By submitting documents on time, students will become familiar with various frameworks provided by MNC's professionals.*

*Yearly documents (Phase Reports) submission helps judges to evaluate points in static events and get pre-information about the teams' progress. Some marks will be added in the following static rounds at the time of the final event for the teams who submit their phase reports on time in the layout provided by organizers:*

1. **Design Round (Phase 1, Phase 2 and Phase 3) Files.**
2. **Innovation Round (Phase 2) Files.**
3. **Cost Round (Phase 1) Files.**
4. **Technical Inspection (Phase 1, Phase 2 and Phase 3) Files.**

*Teams and team members can also send regular educational videos (monthly wise) created by the team to be published in SUVC YouTube channel and are to share it among the students to get a chance for winning the SUVC visionary Award.*

### G.1Phase- 1

1. **Team Introduction:** This report is primarily focused on the vision, goals, achievements, and uniqueness of the team. It also enquires about the likes and dislikes, strengths and weaknesses of the team members. This helps the team to create solid image in front of everyone.
2. **Design and CAD/CAE report:** This report contains general information of vehicle along with its specifications, Each subsystem parameters, calculations, the various views of the vehicle with complete assembly and overall dimensions through CAD model and analyses of various load case simulations. It should contain the images of vehicle prototype in a suitable scale made using pipes. The original CAD files of the vehicle assembly and its frame in IGS or STEP format to be sent in mail along with this report.
3. **Marketing and Cost Analysis Report:** It should have all the market research and cost analysis along with the supplier details.
4. **Design Testament Report:** This report consists of Design Validation Plan (DVP) and Design Failure Mode Effect and Analysis (DFMEA). It should contain all the failure mode of the vehicle under various load condition, its effect on vehicle performance, and how to rectify them.





5. **Winning Plan:** It should contain the working layout, strategies of the team with respect to time for winning the competition.

## G.2 Phase 2

1. **ETKA report:** It contains all the small, big components photos, specification used in the vehicle which includes definition, technical specification, dimension, cost and supplier details.
2. **CFD Diagrams Report:** This report will be having the Current Flow Diagrams of the various electrical components used in the vehicle. It should contain wiring diagram and wiring harness diagram of each and every component in e-form so that the circuit problem can be solved easily by anyone.
3. **Energy design and calculation:** It should contain the energy utilization calculations and its design parameters during the running time of the vehicle and on ideal conditions.
4. **Innovation Report:** It should contain proper description of Technical Innovation with proper calculations, applications and its estimated cost.  
The teams should prepare a video explicitly showing the working, explaining all facts and figures and are requested to submit it along with the Phase Reports.

**To avoid any misunderstanding, Innovations will be considered as per the following definition:**

Innovation in its modern meaning is a "**new idea, creative thoughts, new imaginations in form of device or method**". Innovation is often also viewed as the application of better solutions that meet new requirements, unarticulated needs, or existing market needs.

## G.3 Phase 3

1. **Video submission:** The total time of the video will be 4 minutes and 30 seconds in MP4 format, 360P. First 2 minutes and 30 seconds should include the introduction of the team and manufacturing of the vehicle. Last 2 minutes should contain the dynamic running of the vehicle on the road or a track.
2. **College Level Technical Inspection Sheet:** Teams have to fill the vehicle information in the College Level Technical sheet provided by the organizers and to submit it in PDF format by scanning the document duly signed by Team Captain/Faculty Advisors.  
Faculty Advisor(s) must ensure the Technical Inspection Sheet before coming to final event so that the vehicle can pass T.I. with ease.
3. **Vehicle Report:** The report should contain all the content of vehicle which is to be submitted in the Phase 1 design report and if any modification is done from Phase 1, they can do. This report will be



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chosen for the Design award and its presentation will be held during the final event.

4. **Vehicle testing report:** During the testing time of the vehicle, the teams should maintain a testing report of vehicle behavior. It should contain the information of vehicle parts, components or departments which malfunctioned during the running time and how the team rectified these problems.
5. **Owner's Manual:** It should have all the information about all vehicle component specification and their operation. It should also contain Vehicle Cost including Running Cost, Maintenance Cost and Life of Vehicle.

**All the documents should be scanned and submitted in PDF format.**

**Every report's name should start by team name.**

Example: **Team\_XYZ\_Cost Report.pdf**

**Team\_XYZ\_Innovation video.mp4**

All the guidelines to make these reports including all the deadlines will be sent to the team's official email account. Teams failing to submit the report on given deadlines will face penalties or disqualification from the static award of that category.

*If any team is not able to submit the reports due to their college exams, then they will be given some extension **ONLY** if they inform this to the society beforehand.*

## VEHICLES ALLOWED

### S - CLASS - SOLAR SINGLE SEATER



### M- CLASS – MODIFIED RETROFITTED MULTISEATER





## VEHICLE REQUIREMENTS – S CLASS

| DESCRIPTION        | PARAMETERS                    | SPECIFICATION                                     |
|--------------------|-------------------------------|---|
| Vehicles Allowed   | SOLAR EVENT                   | 2019/2020/2021<br>EVENT VEHICLES                  |
| Power Train        | Power Source                  | Electric Motor                                    |
|                    | Power Capacity                | Up to 3 KW  |
| PCM ratio          | Vehicle design factor         | Up to 15  |
| Eligible Vehicles  | Rulebook standards            | SUVC Rulebook<br>+<br>Other basic safety factors. |
| Vehicle Dimensions | Maximum Length                | 3048mm (120 inches)                               |
|                    | Maximum Width                 | 1730mm (68 inches)                                |
|                    | Maximum Height                | 1550mm (60 inches)                                |
|                    | Minimum Ground Clearance      | 101.6mm (4 inches)                                |
| Weight             | Maximum Curb Mass             | 250 kg  |
| Wheels             | Number of wheels in the front | 2   |
|                    | Number of wheels in the back  | 1 or 2  |



## POINTS DESCRIPTION - S CLASS

### 1) Virtual Round: 200 Marks

|              |     |
|--------------|-----|
| Written Test | 100 |
| Presentation | 100 |

### 2) Final Event: 2000 Marks

#### a) Static Test (800 Marks)

| 1. | Technical Inspection | QUALIFYING |
|----|----------------------|------------|
| 2. | Design Round         | 150        |
| 3. | Business Plan        | 150        |
| 4. | Cost Presentation    | 150        |
| 5. | Innovation Round     | 150        |
| 6. | Build Quality Round  | 200        |

#### b) Dynamic Tests (1200 marks)

|    |                               |     |
|----|-------------------------------|-----|
| 1. | Brake and Acceleration Test   | 150 |
| 2. | Auto Cross Check              | 150 |
| 3. | Suspension and Traction Check | 150 |
| 4. | Challenging Round             | 300 |
| 5. | Endurance Round               | 450 |

### 3) MAJOR PROJECT EXHIBITION : 200 Marks

|   |     |
|---|-----|
| Working Presentation                    | 100 |
| Theoretical Literature and Presentation | 100 |

## VEHICLE REQUIREMENT - MODIFIED CLASS

| DESCRIPTION        | PARAMETERS                             | SPECIFICATION  |
|--------------------|--|--|
| Vehicles Allowed   | RETROFIT /MULTISEATER                  | COMMERCIAL CAR/<br>OTHER EVENTS VEHICLE  |
| Power Train        | Power Source                           | Electric Motor   |
|                    | Power Capacity                         | Up to 6 KW   |
| RETROFIT ALLOWED   | MARUTI SUZUKI                          | <ul style="list-style-type: none"> <li>MARUTI 800</li> <li>ALTO</li> <li>ZEN</li> <li>VEHICLE FROM OTHER EVENTS</li> </ul> |
| Eligible Vehicles  | MODIFIED VEHICLE<br>Rulebook standards | SUVC Rulebook<br>+<br>Other basic safety factors.  |
| Vehicle Dimensions | Maximum Length                         | 3550mm   |
|                    | Maximum Width                          | 1730mm   |
|                    | Maximum Height                         | 1550m  |
|                    | Minimum Ground Clearance               | 101.6mm  |
| Weight             | Maximum Curb Mass                      | 900 KG   |
| Wheels             | Number of wheels in the front          | 2  |
|                    | Number of wheels in the back           | 2  |



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## About VEHICLE DESIGN FACTOR

These vehicles are preferred to have the maximum speed up to 60kmph and should be energy efficient capable to run on direct solar energy. High Ground clearance and more stable vehicles will be most preferred. Teams should use maximum **PCM ratio (up to 15)** and design their vehicle light weighted.

**PCM RATIO = Total rated power from power source (in watt)/Curb Mass of Vehicle (in kg)**

If PCM ratio is exceeding, then Exemption Factor will be multiplied with the time and laps for Dynamic rounds.

**Exemption Factor = 1 - {(Your PCM RATIO – Class PCM Ratio)/Class PCM Ratio}.**

Exemption Factor will also be calculated if the vehicle power source is exceeding than the given parameters.

Kindly ask your Team Mentor to request for Technical Rulebook



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## FAQ'S (FREQUENTLY ASKED QUESTIONS)

### **Q. Why we participated in SUVChallenge?**

Ans. SUVChallenge is providing Maximum Employability from Last 3 Seasons Continuously via medium of Event.

All frameworks are designed by International Experts to build Efficient Leaders who can easily fit in Corporate World.

### **Q. Our team is participating in events conducted by reputed Motorsports events like SAE, ISIE, etc. Can our team participate in SUVChallenge?**

Ans. Yes, you can participate but make sure your vehicle should follow all rules and regulations mentioned in rulebook of SUVChallenge.

### **Q. What is SUVChallenge?**

Ans. SUVChallenge is a vehicle design competition organized to promote creative education among engineers and comprises of 7 static tests and 5 dynamic test which are designed to test your vehicle and become familiar to face big motorsports events in future. It is a reputed event conducted under Govt. Registered Society under act 1973.

### **Q. Who are the Judges of SUVChallenge?**

Ans. Judges Eligibility - Corporate working member + Motor sport event experience + Technical Graduation followed by an interview by the organizers.

### **Q. What are the classes available in SUVChallenge and how can I choose a particular class?**

Ans. SUVChallenge consists of two classes: S class (For Solar Vehicles) and M class (Modified Class). On the basis of your choice, you can select a particular class.

### **Q. How I can choose the particular class of the Vehicle?**

Ans. If you want to design Project Oriented Vehicle – You should go for S class.  
If you want to retrofit of an Existing Vehicle – You should go for M class

### **Q. How to Register for SUVChallenge?**

Ans. Register online through Website [suvcrste.com](http://suvcrste.com)

Fill offline Registrations Form

Pay the Registrations Charges.





For other queries feel free to contact us at:

+91 8770201773, [suvc20@gmail.com](mailto:suvc20@gmail.com)

## HELP AND SUPPORT

| S. No. | Department   | Contact No.     | WhatsApp No.   | Professional Email   |
|--------|--------------|-----------------|----------------|----------------------|
| 1.     | REGISTRATION | +91 8770201773  | +91 8770201773 | partner@suvcrste.com |
| 2.     | SERVICE      | +91 9340809235, | +91 9340809235 | suvc20@gmail.com     |
| 3.     | MARKETING    | +91 9617577301  | +91 9617577301 | contact@suvcrste.com |
| 4.     | ACCOUNTS     | +91 8269709963  | +91 8269709963 | care@suvcrste.com    |

Sometimes it happens that organizers are unable to pick up calls due to the work load so we request the teams to be patient and drop a Whatsapp message to get quick replies.

Website: [www.suvcrste.com](http://www.suvcrste.com)

Official Email ID: [suvc20@gmail.com](mailto:suvc20@gmail.com)

Facebook Page: [www.fb.com/suvcrste](http://www.fb.com/suvcrste)

Corporate Email ID: [contact@suvcrste.com](mailto:contact@suvcrste.com)

YouTube: [www.youtube.com/suvcrste](http://www.youtube.com/suvcrste)

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