

FormulaSAEINDIA
FREQUENTLY ASKED QUESTIONS (FAQs)

Q1. What is the schedule of 'Formula SAEINDIA Design Challenge 2009'?

- a. The Formula SAEINDIA Design Challenge 2009 is scheduled on 11th and 12th December, 2009 at the Anna University in Chennai. Details can be found in the brochure.

Q2. What is the schedule of 'Formula SAEINDIA 2011'?

- a. Tentatively, the Formula SAEINDIA 2011 event is scheduled from 28th to 30th January, 2011 at the Madras Motor Sport Club (MMSA) in Chennai.
- b. The details as and when finalized shall be put up on the website.

Q3. What can be the team strength?

- a. The team can comprise of minimum 5 and maximum 25 under-graduate and/or post-graduate students from a same college. Composite teams from same college are allowed.

Q4. What is the team registration fee?

- a. For the first 10 members the registration fee is Rs. 20,000/-
- b. For every additional members, an additional fee of Rs. 750/- will be charged.
- c. The fee includes free registration for the SAEINDIA International Mobility Congress 2009 scheduled in Chennai from 13th to 14th December 2009.

Q5. There is a regulation related to manifold in the Formula SAEINDIA Rule Book provided to participants. As the students are free to choose their engine, how to include a manifold if the engine does not have a provision for doing so?

- a. The original intake manifold that comes with the engine is designed to handle intake charge at atmospheric pressure (if the engine is naturally aspirated) or at high pressures (for supercharged or turbocharged engines).
- b. For FSAE application, students may intend to supercharge or turbocharge an originally naturally aspirated engine. In that case, the intake manifold has to be re-designed in order to sustain the increased mechanical loading, if required.
- c. Also, the team may want to modify the original manifold to alter/improve intake charge distribution. However, **this is not mandatory.**

Q6. How and from where to get the tyres? Whom to contact for that?

- a. Four tyres would be provided by JK tyres on 4th October 2010 afternoon at MMSC, Chennai after JK National Champion finals.
- b. The tyres provided would be used tyres (Once Used).
- c. Please send an undertaking (through college Principal) to SAEINDIA declaring that the tires provided by JK Tyres shall be used by the team only for 'Formula SAEINDIA Design Challenge 2009' and/or '2011 Formula SAEINDIA'.

Q7. Can the teams add/subtract/replace members from the team once registered for either of the Formula SAEINDIA event?

- a. No. Any change in the team after it has been registered is **strictly prohibited**.

Q8. For the 2011 Formula SAEINDIA event, are the participants required to race with a car fabricated based on the design presented during 'FormulaSAEINDIA Design Challenge 2009'? After the 2009 event, can the design be changed and vehicle fabricated afresh?

- a. It should be noted by the participants that the two events, 'FormulaSAEINDIA 2011' and 'FormulaSAEINDIA Design Challenge 2009' are two separate events. They are in no way related to each other.
- b. Hence, participating teams are fully free to make any changes to the design presented during 'FormulaSAEINDIA Design Challenge 2009' and they may even redesign and fabricate the entire car afresh for 2011 event.
- c. The teams participating in 2009 will get have better chances of getting selected in 2011 event. However please don't take it as a commitment from SAEINDIA organizers.

Q9. If the vehicle can be re-designed for 2011 event, why should the participants at all fabricate the vehicle involving cost & time for the 2009 event. Can the teams just make a virtual version alone?

- a. Even though 'Formula SAEINDIA 2011' and 'Formula SAEINDIA Design Challenge 2009' are two different events, the lessons learned in 2009 can be incorporated in 2011 event.
- b. Also, it has been mentioned in the brochure that out of 300 points for 'Formula SAEINDIA Design Challenge 2009', 50 points are for design report, 100 points are for virtual design presentation and remaining 150 points are for design evaluation based on physical vehicle inspection.
- c. Hence, if team does not fabricate a vehicle for 2009, it shall be eligible for only best design report and best presentation awards (150 points maximum).

- d. Whereas, if the team fabricate a vehicle for 2009, based on design evaluation along with design report and presentation, the team shall be eligible for 300 points & may win over-all prize in the 2009 event.
- e. **Hence, it is the team's decision whether to fabricate the vehicle for 2009 or not.**
- f. **The vehicle developed is not expected to be in running condition**

Q10. Can the team present a vehicle which has already participated in competitions elsewhere?

- a. The aim of the event 'Formula SAEINDIA Design Challenge 2009' is to create excitement and awareness of Formula SAEINDIA, so that there is maximum participation in the 2011 Formula SAEINDIA event.
- b. But the car presented in Formula SAEINDIA must have been designed / fabricated by team from the same college in the previous years for participating in FSAE competition abroad. Also, the car design prepared by a team for 2009 event can be taken forward by the successive batch of students of the **same college** to participate in 2011 event. Car designed and fabricated by team from different colleges **cannot be bought/ brought/ Imported/ borrowed.**
- c. For this, the team is required to provide a letter from the college Principal stating that the car meets the above mentioned requirement.

Q11. What capacity engine can be used?

- a. Any engine **not exceeding 625 CC** can be used for this competition.
- b. If two or more engines are used, then the total displacement of all the engines should not exceed 625 CC.
- c. For 2009 Design Challenge 2009 any Engine ranging from 50CC to 625CC can be used since the Engine is not going to be fired during the competition.

Q12. What should be the wheel track of the car?

Vehicle Track

- a. The smaller track of the vehicle (front or rear) must be no less than 75% of the larger track. No regulation on maximum and minimum track width of the vehicle.
- b. The Track must be such that the Driver/Judge can sit comfortably and should be drivable.

Q13. What should be the turning radius of the car?

- a. There is no rule binding turning radius.
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