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Design of Formula Student Vehicle

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Design of Formula Student Vehicle: Formula Student (FS) is the proven educational motorsport competition in the world.

Universities around the world are included in this challenge to design and build a single-seater racing car to compete in static and dynamic disciplines that demonstrate their knowledge and test the performance of the car. Participation taken over 600 teams from around the world.

Key words: Design, Formula Student, Design of Vehicles, Car design

INTRODUCTION

Formula Student (FS) is the proven educational motorsport competition in the world. It is run by the Institution of Mechanical Engineers and uses the same rules as the original Formula SAE with supplementary regulations. Backed by the industry and senior engineers as Ross Brawn, the competition aims to inspire and develop enterprising and innovative young engineers. Universities around the world are included in the challenge to design and build a single-seater racing car to compete in static and dynamic disciplines that demonstrate their knowledge and test the performance of the car.

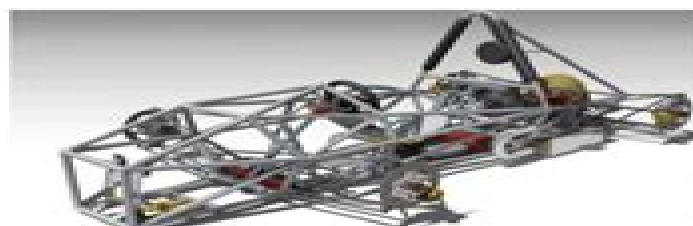


Fig.1 Formula Student Vehicle - construction and final result

SUMMARY

Universities around the world are taking part in this challenge to design and build a single-seater racing car to compete in static and dynamic disciplines that demonstrate their knowledge and test the performance of the car. Each and every participant must learn along the way and employ old and new, practical and theoretical, technical knowledge for a successful working and as easy as possible to produce design. However, formula student is not only an engineering competition, as it includes strict deadlines and usually 20+ members in each team that need to be organized and work as a single machine, it proves to be a serious project in a working environment. Thus it requires significant project management skills. More than 600 teams around the world participate in FSAE competitions.

Formula Student is:

- High grade engineering design, highly valued by universities and is usually part of the curriculum.
- The closest intersection point with motorsport engineering for a student during his study.
- Invaluable opportunity to learn and gain practical experience in designing an actual race car.
- Great way for improving project management and problem solving skills for participants.
- Appreciation of real engineering experience in a working environment.

Formula Student Design Report

S. Culley



Formula Student Design Report:

Unveiling the Energy of Verbal Art: An Psychological Sojourn through **Formula Student Design Report**

In a global inundated with displays and the cacophony of quick connection, the profound power and mental resonance of verbal beauty often diminish in to obscurity, eclipsed by the continuous onslaught of noise and distractions. However, located within the musical pages of **Formula Student Design Report**, a charming perform of fictional brilliance that impulses with natural emotions, lies an unique journey waiting to be embarked upon. Written by way of a virtuoso wordsmith, that exciting opus instructions readers on a mental odyssey, delicately exposing the latent potential and profound affect stuck within the intricate web of language. Within the heart-wrenching expanse of the evocative evaluation, we can embark upon an introspective exploration of the book is central themes, dissect its captivating publishing style, and immerse ourselves in the indelible impact it leaves upon the depths of readers souls.

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