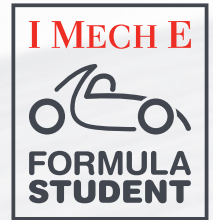


## FORMULA STUDENT

Institution of Mechanical Engineers



# Congratulations to Universitat Politècnica de Catalunya

FOR PARTICIPATING IN FORMULA STUDENT 2008

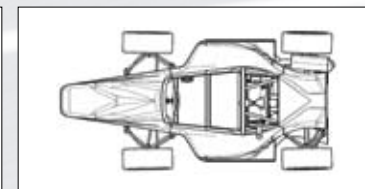
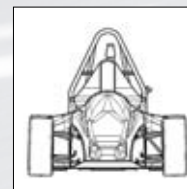
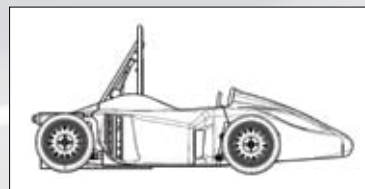
2008 is our University's second entry to Formula Student, but this year is the first of a new and totally renewed team: ETSEIB Motorsport. This team was created in order to have a stable structure and to establish the foundations of a new project, from which to keep evolving the design of the car in the years to come. This will permit us and next year's team members to gain enough experience, background and know-how for manufacturing a really competitive and winning vehicle.

The 2008 team is composed of 12 members: one half is finishing their engineering degree and the other is doing their Master's Thesis. It has been hard work as the project was started in February, so we have only had six months to design, build and test the car.

The team has been structured in four groups: Frame & Body, Chassis, Engine & Electronics and Management, all coordinated by the Package Group.

The main objective for 2008 was to build a car from scratch in time, focusing on its reliability and overall performance to go through all the different events successfully.

None of this would have been possible without our sponsors and all the people that have collaborated with us in a generous way. We really want to thank all of them for their help and support.



<b>Length/width/height/wheelbase</b>
2734mm/1378mm/1253mm/1593mm
<b>Track (front/rear)</b>
1175mm/1175mm
<b>Weight including 68kg driver (front/rear)</b>
143kg/175kg
<b>Suspension (front/rear)</b>
Unequal length A-Arms. Push rod actuated Ollé spring/damper units
<b>Tyres (front/rear)</b>
20.5x7.0-13 R25A Hoosier
<b>Wheels (front/rear)</b>
Braid alloy 13" x 7.0" -31mm offset
<b>Brakes (front/rear)</b>
Cast Iron, hub mounted, 220mm diam. 4mm thickness
<b>Frame type</b>
Alloy steel tubular frame with bolted aluminium floor panels. Different tube sizes (35x2mm, 28x2, 28x1.5, 20x1, 25x7), DUCAL seamless precision tube. Qualiti ST-52 DIN 2391-BK
<b>Engine</b>
2003 Suzuki GSXR-600
<b>Bore/stroke/cylinders/cc</b>
67 x 42.5mm/4 cylinders/599cc
<b>Fuel</b>
98 octane petrol (Shell Optimax)
<b>Fuel system</b>
Student designed/built fuel injection system using DTA S60 Pro ECU
<b>Max power/max torque</b>
11,000rpm/7,700rpm
<b>Transmission/differential/final drive</b>
Chain #530/Quaife differential QDF7Z/3.64