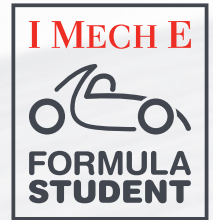


FORMULA STUDENT

Institution of Mechanical Engineers



Congratulations to Thapar University

FOR PARTICIPATING IN FORMULA STUDENT 2008

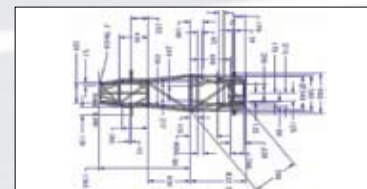
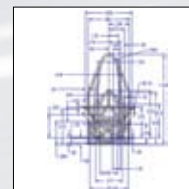
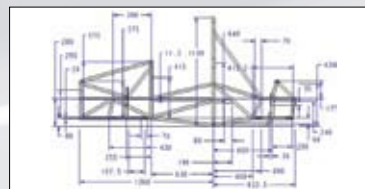
Winner
Best Endeavour
Award

Team Fateh with an ambition to 'Fateh'-i.e: to Win. Contemplating winning on debut at FS may seem far fetched but not for us! But the path to FS has not been easy for us. The team has had to struggle their way over many odds: the teething troubles and the red tape and the sarcasm of non-believers.

The idea of undertaking such a big project took everyone by surprise. Not that anyone doubted the technical ability or the infrastructure, as Thapar University boasts some of the best infrastructure in North India. Our only problem was funds! Convincing people about the feasibility of the project and the benefits expected was not an easy job.

In the end the Mechanical Engineering Department opened up its facilities to the team and that was all the motivation we needed. The next task was sponsors and GM India's decision to back us got the team on its feet.

The first manufacturing processes were started with six months to go as per the preliminary designs. With no prior experience in designing or manufacturing, the team had difficulty pulling it off. We suffered many set backs and delays but the team was finally cruising within a month of the event and so was TUFF01, with many more sequels to follow!



Length/width/height/wheelbase
2230mm/1430mm/1195mm/1565mm

Track (front/rear)
1245mm/1245mm

Weight including 68kg driver (front/rear)
106kg/176kg

Suspension (front/rear)
Unequal length A-Arms. Direct Actuated Spring damper Units.

Tyres (front/rear)
185x60/R13 Goodyear Ventura

Wheels (front/rear)
Prestige design Alloys 13"x5.5"

Brakes (front/rear)
Stainless steel discs 239mm dia

Frame type
Steel tubes frame with thicker sections for front and main hoops and harness mounting

Engine
2007 Enfield bullet 500cc AVL engine

Bore/stroke/cylinders/cc
84 x 90 mm/1 cylinder/499 cc

Fuel
91 octane petrol (IOC premium oil)

Fuel system
N/A

Max power/max torque
5,400rpm/3,000rpm

Transmission/differential/final drive
3/8" duplex chain and sprocket/
Simple Differential/2.255:1