

## Formula Student

- International student design competition
- Design, build and race single seater Formula 1 style car
- 600cc motor cycle engine with intake restrictor
- Competition judging criteria includes design quality, costing, static and dynamic tests culminating with an endurance race
- Students from a variety of disciplines involved including engineering, marketing, business, IT, finance etc.
- Funding mainly through industry sponsorships
- NMMU plans to compete in an international Formula Student competition.



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## New NMMU Racing Recruits

2010 saw NMMU Racing embark on a significant recruitment drive, targeting students on all levels from engineering, business and graphic arts among others. Students were invited to an initial "Launch Event" where the project was presented, and the benefits of participating in this exciting project were explained by the current team members.

Those who indicated an interest in getting involved were then invited to our orientation event, where they were taken on a tour of our facilities, shown all the current CAD designs and treated to a braai for some social time together. We are very encouraged by the enthusiasm that our new recruits are displaying, some of whom have racing experience under their belts!



New recruits pose with the plastic mock-up of the vehicle frame during orientation.

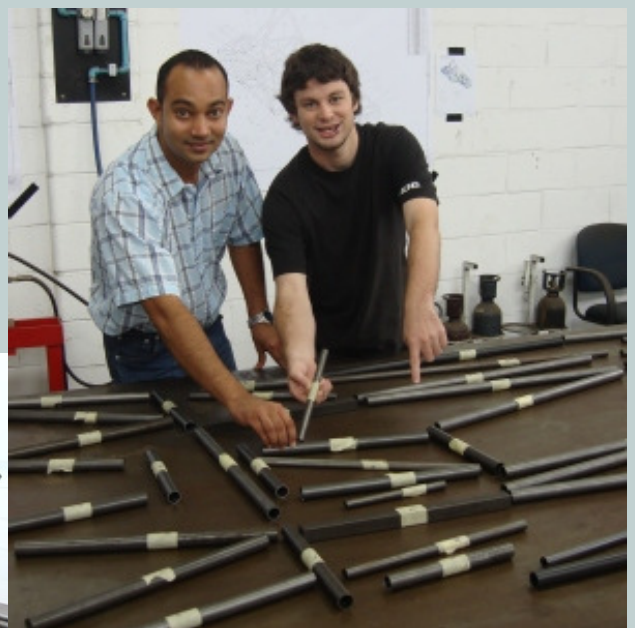


This is the Honda CBR600 engine ready for testing on our engine dynamometer.

Unfortunately, we also had to say good-bye to some of our senior students who have moved on to new challenges in their careers. Hiten Parmar was hired by VW Racing, one of our key sponsors, to assist in their electrical department, while Hinrich Kritzinger joined HiTech Automotive where the bodywork for SA's new electric vehicle, the Joule is under development. Michael Walton, our resident graphic artist, moved on to start his own graphic arts business and Shana Paxton, our photographer, moved on to Cape Town.

## Frame Manufacture Under Way

Carl van Rooyen has been working feverishly at the VW Racing workshop in Uitenhage, cutting tubing and building the jigs that will hold the vehicle frame together during welding. VW Racing is supplying all the materials for the frame and suspension, excluding bought-out components such as shock absorbers and bearings. After cutting all the tubes to length, the ends need to be "notched" in order to fit together, due to their circular cross-section.



Above: Hiten Parmar and Carl van Rooyen lay out the frame tubes ready for notching and welding. Left: The frame comprises over 120 tubes!

