

NMMU Racing NEWS

The official publication of the NMMU Racing Formula Student Team

June 2011

What is 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 in an endurance race
- Students from a variety of disciplines involved including engineering, marketing, business, IT, finance, PR etc.
- Funding mainly through industry sponsorships
- NMMU plans to compete in an international Formula Student competition.



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DibaOne Packed for Germany!



The NMMU Racing team pose with their freshly completed car dubbed "DibaOne" for Germany. *Front row:* Andre Labuschagne, Saleem Noorshib, Simon Adams *Driving:* Hiten Parmar *Middle Row:* Loyiso Gongqa, Alison Richter, Stephen Bradshaw *Back Row:* Howard Theunissen, Prof Pat McGrath, Trevor Stroud, Carl van Rooyen, Majeed Ahmed, Peter-Ben Johnson, Niel Strydom, Jarod Futter, Leewyn Arends, Shawn Erasmus, Prof Henk de Jager.

NMMU Racing's first Formula Student racing car is complete and is on its way to Germany!

Almost three years in the making, the final touches were added to "DibaOne" before packing the car and 230 other items, including tools, spares and camping equipment for all twelve team members, into the shipping container destined for Hockenheim.

The team chose to christen our first Formula Student car "DibaOne" after NMMU's mascot, and our icon Nelson Mandela, as we become the first university to represent South African in this prestigious international competition.

Many thanks to Volkswagen SA who sponsored the shipment, as well as the donation from Continental Tyres SA towards travel costs, in addition to providing race tyres in Germany.

The team is now finalizing their travel arrangements, as well as a list of last minute carry-on items for the plane! We wish the team every success in Germany!

Body Styling a Huge Hit



Enthusiastic student chooses to travel with the car to Germany!



Saleem Noorshib bring loaded into the NMMU Racing container, assisted by Stephen Bradshaw and Leewyn Arends, appropriately wrapped in protective plastic, for the six week voyage to Germany. I hope he remembered to take his sea-sickness pills!

Boxcar Race Crowns First Winners!



NMMU Racing Red Bull Boxcar Race winners DF Malherbe School (top) and NMMU Racing "Red Races" (above) and "White Lightning" (right) in second and third places respectively.



Formula For Success!

NMMU Racing's Public Relations students have coined the phrase "Formula for success" as the team's new slogan.

This slogan grew out of the competition name "Formula Student", and exemplifies the ideals and aspirations of our NMMU Racing team, who not only strive for success on the race track, but also in their chosen careers.

A former NMMU student, Michael Walton from MVB Design was commissioned to design our supporter's T-shirts, which he did to great effect with the slogan on the front, incorporating our chequered flag motif.

The team will be wearing these shirts with pride in Germany as they mingle with students from universities around the world.



Thanks to our sponsors Red Bull, AV Designs, Alfa Romeo Car Club, Volkswagen Racing and Continental Tyres for making our First Annual Boxcar race a great success!

Sponsors and Supporters

This project would not have been possible without the generous financial, technical and material support of the companies and organisations listed below.

- **NMMU:** financial support
- **VW Racing:** technical support, materials and racing vehicle components
- **Nelson Mandela Bay Municipality:** financial support
- **AIDC:** financial support
- **Continental Tyres:** racing tyres , driver training, donations

VOLKSWAGEN *Racing*



Automotive Industry Development Centre



- **NRF:** research funding
- **DAAD:** German student exchange funding
- **ZF Sachs:** shock absorbers
- **Profile Tooling:** component machining
- **HiTech Automotive:** component fabrication
- **Disen Engineering:** machined components
- **SKF Bearings:** vehicle bearings



Disen Engineering



- **Terry Moss Racing:** technical support & helmets
- **Autograph Racing:** Diktator engine ECU
- **Custom Works:** Composites
- **Coker Race Products:** discounted racing components
- **Rezlo Auto Works:** discounted hoses & fittings
- **Graymaur Plastics:** fabrication of air intake system
- **Esteq Engineering:** CAE / CFD
- **MVB Designs:** Graphic Art



Faculty Advisors:

Trevor Stroud

041-5043565

Trevor.Stroud@nmmu.ac.za

Howard Theunissen

041-5043463

Howard.Theunissen@nmmu.ac.za

Team Leaders:

Technical

Hiten Parmar

Business & Marketing

Peter Johnson

Formula Student Office:

041-504 3658

Co-ordination

Alison Richter

Electrical

Andre Labuschagne

Mechanical

Saleem Norsheeb

