

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.

Find us online:

www.nmmu.ac.za/nmmuracing



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In this issue:

Profile Tooling Delivers Machined Components 1

Corporate Karting Challenge! 1

Latest Images of our Formula Student Car 2

More Karting Images 2

Profile Tooling Delivers Machined Components

NMMU racing contracted the services of one of the region's foremost machine shops to manufacture the suspension uprights, hubs, drive shafts, tripod housings and throttle body.

Profile Tooling agreed to support the NMMU Racing team by supplying the material and discounting the labour cost by 25%. The results of their highly specialised work is shown in the picture to the right.

Profile Tooling's Clyde Erasmus was very impressed with the quality of the designs produced by our students, and they were able to manufacture the parts on their CNC milling machines from the supplied drawings and CAD without any major issues.

Profile Tooling also manufacture highly specialised components for our other sponsor, VW Racing.

We are very grateful to Profile Tooling for their support and technical guidance in the production of these high quality components for our Formula Student car, which we believe, will perform very competitively as a result!



Kobus Francis (left) and Clyde Erasmus (right) hand over the completed suspension and drivetrain components at Profile Tooling. Kobus was responsible for the CNC machining operations.

Corporate Karting Challenge!



Back: Tauyanshe Nyikadizano, Andre Labuschagne, Delight Chirenje, Mphathisi Colwana
Front: Carl van Rooyen, Alison Richter, Peter-Ben Johnson.

NMMU Racing challenged six other companies to a Karting race at the Algoa Kart Club on 30 May, arranged by FI Outdoor Karting. The race consisted of two hour-long legs, where each of the five drivers had to take turns in accumulating as many laps as possible in the allotted time. To make things interesting, a "tyre change" pit stop was also mandatory, requiring each team to bring the driver in, place the kart on a stand and perform a simulated tyre change.

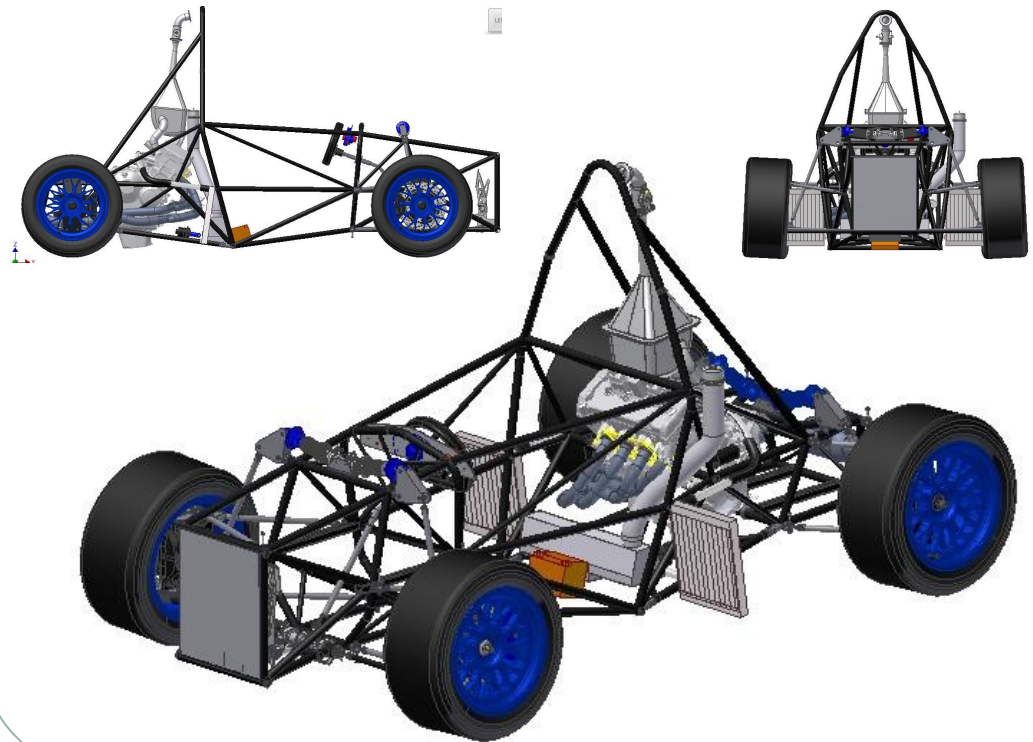
Although we did not win the event, our prospective drivers we were able to put in some valuable "track time" in preparation for our vehicle testing phase which should start towards the end of the year.

Interestingly enough the fastest lap time was recorded by our business team leader Peter-Ben Johnson, who showed his engineering colleagues what a smooth driving style is all about!





Latest images of our Formula Student Car



CONTACTS

Team Management:

Trevor Stroud
041-5043565
Trevor.Stroud@nmmu.ac.za
Howard Theunissen
041-5043463
Howard.Theunissen@nmmu.ac.za

Team Leaders:

Technical
Carl van Rooyen
Business & Marketing
Peter Johnson
Formula Student Office:
041-504 3658

NMMU Racing Sponsors and Supporters

- **NMMU:** financial support
- **VW Racing:** technical support, materials and racing vehicle components
- **Continental Tyres:** racing tyres , driver training
- **Nelson Mandela Bay Municipality:** financial support
- **ZF Sachs:** shock absorbers
- **Profile Tooling:** component machining
- **Esteq Engineering:** CAE / CFD
- **FI Outdoor Karting:** race track use and driver training
- **Terry Moss Racing:** technical and racing support from Terry Moss and Michael Stephen
- **Autograph Racing:** Diktator engine ECU
- **Honda Wing Port Elizabeth:** Technical support
- **SKF Bearings:** vehicle bearings
- **DAAD:** German student exchange funding
- **AIDC:** financial support
- **NRF:** research funding



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More Karting Images

