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Report on F1 in Schools National Finals 2011

It will be a day to remember for Aerophoenix, a team of students from Henderson Secondary School, who celebrated being crowned Singapore National Champions at the National Finals of the Formula 1 in Schools Technology Challenge 2011 held on 27 July 2011 at Ngee Ann Polytechnic. Having won the title in 2009, Henderson Secondary School is relishing the victory having won again.

Team Aerophoenix put a supreme effort into their F1 in Schools feat and performed brilliantly. Their aerodynamically designed car clocked a time of 1.062 seconds surpassing previous wins by the Singapore Teams. (The fastest car for World Finals 2010 was 1.071s)

Team Aerophoenix won the Formula 1 Class of the F1 in Schools 2011 as well as the best Engineered car with much evidence in their folio about their use of the ANSYS CFD (Computational Fluid Dynamics) as part of a collaboration effort with CAD-IT Consultants. The team was able to shorten the design cycle by effectively testing their draft designs and perfect it before manufacturing the optimum. In doing so, the team recognises the importance of building strong relationships with specialist partners to achieve a goal.

With the help of the Barden Corp Super precision ball bearings sponsored by Schaeffler Group, the team was able to substantially reduce friction between the wheels surfaces to clinch the fastest car award.

The team won champions in the marketing and sponsorship category with the judges rewarding the efforts they put into creating a strong and unique team identity as well as having an informative and professional pit display to showcase their work.

Team Aerophoenix will go on to represent Singapore in the F1 in Schools World Final 2012 and the team is aiming to win World Champions to do their country proud.

Teacher in charge, Mr Kenneth Tan says" This was a well earned victory with the team performing well above expectations and serves to motivate our current students into further success. Of course, all these would not be possible without our sponsors who render us their speciality software and engineering parts to enhance our competitiveness, example, Schaeffler Group, CAD-IT Consultants and Freeform Solutions, etc. I certainly hope that the graduate of F1 in Schools will consider a career in the engineering industry which makes me very proud. We are already seeing F1 in Schools 'graduates' taking roles in the engineering sectors, as well as using the initiative to stand out from the crowd in their efforts to win university places."

Report by Mr Kenneth Tan
Teacher-in-charge for F1 in Schools
Henderson Secondary School