



## Faculty of Engineering and the Built Environment

---

### Office of the Executive Dean

COMPETITION DAY INVITATION – Friday, 4 August 2017

#### To Whom It May Concern

The Faculty of Engineering and the Built Environment will be hosting its Competition Day on Friday, **4 August 2017**, and would like to invite your learners to participate. This event is mainly for grades **10 to 12 learners** doing Mathematics and Physical Science.

The objectives of the day are to make learners aware of the possibilities in engineering, reaffirm the importance of good grades in Mathematics and Physical Science and ensure learners perceive engineering as an exciting and rewarding profession that is worth pursuing.

There is a wide range of competitions to participate in and we recommend that a school send a team to partake in **every** competition. Due to time constraints on that day, only **one team per competition per school** will be allowed. Also, strictly adhere to the **number of learners per team** in the competition.

The competitions are published on the TUT website at [www.tut.ac.za](http://www.tut.ac.za) on the Faculty page. Should you want to access it go to: **[www.tut.ac.za](http://www.tut.ac.za) → Faculties and Departments → Faculty of Engineering and the Built Environment → 2017 FEBE Schools Competition Day**. Should you not have access to the web, please furnish us with a fax number so that we can send you the information if you have not yet received a hard copy.

Please discuss the competitions with your learners, well in advance, and encourage them to participate. There is ample time to present these competitions in your school to identify the winning teams in the different competitions. You can then register your **winning teams** to compete against the rest of the schools participating, at TUT, Pretoria Campus on the 4<sup>th</sup> August 2017.

The majority of competitions should be prepared in advance, see registration form. Water balloon protector (3D Design), Design and build a rolling hut (Architecture), Site planning and lay-out (Building Sciences), Prepare and design a particle classification hydro Cyclone. (Chemical Engineering), Design and build a water filtration medium (Civil Engineering), Design and build a universal alarm system (Electrical Engineering), Map your neighbourhood (Surveying in the Department of Geomatics), Assemble a Jica truck (Industrial Engineering), Design and build a hovercraft (Mechanical Engineering), Prepare and design a particle classification using a hydrocyclone (Metallurgical Engineering), Design and build a recycled plastics chair (Polymer Technology).

---

*We empower people*

Tel. 0861 102 422, Tel. (012) 382-5911, Fax (012) 382-5114, [www.tut.ac.za](http://www.tut.ac.za) • The Registrar, Private Bag X680, Pretoria 0001

Tel. 0861 102 422, Tel. (012) 382-5250, Fax (012) 382-5114, [www.tut.ac.za](http://www.tut.ac.za) •

Only schools that confirm their participation by **9 June 2017**, will be able to participate in this competition. We need enough time to deliver the prescribed kit of the Electrical competition to the schools on time. Do submit your **confirmation form (attached)** before recess on **9 June 2017** by return e-mail at [JanseVanRensburgZ@tut.ac.za](mailto:JanseVanRensburgZ@tut.ac.za) or alternatively, fax to 012 382 4108. This will allow enough time to visit the schools who indicated their participation in the Electrical competition, to deliver or post the components on time.

**Only schools which submitted their application forms on time will be allowed to participate during the Competition day.**



Kind regards

Ms Z Janse van Rensburg  
Faculty Marketer  
Faculty of Engineering and the Built Environment  
[JanseVanRensburgZ@tut.ac.za](mailto:JanseVanRensburgZ@tut.ac.za)

