

**UNITEN – IEM MECHANICAL DESIGN COMPETITION**

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The Engineering Education Technical Division (E2TD) in collaboration with Universiti Tenaga Nasional (UNITEN)'s Mechanical Engineering Department had successfully organized another Mechanical Design competition on the 26<sup>th</sup> January 2016.

A total of 200 third year mechanical engineering students at UNITEN took part in this design project and competition. The students who took part in the competition were divided into groups of 5-6 students per group. The participating students were given the task to design wheel chair for the disable or injured.

A total of 40 different designs of wheel chair being presented during the competition. Three design projects were nominated and presented for the categories of *Best Project*, *Most Marketable Project*, and *Most Innovative Project*. The winning team for Best Project received a cash prize of RM200 and Certificate of Excellence from IEM. The Most Marketable and Most Innovative projects ~~will~~ received cash prize of RM150 and RM100, respectively and also Certificates of Excellence from IEM. The Most Innovative Project will receive cash prize of RM100 together with certificate of excellence from IEM.

Apart from these, another 5 groups were chosen to receive consolation prizes.

The design project and competition had been successful in developing and improving the students not only in their technical skills, but also their soft skills such as marketing skills, communication skills and time management.



Figure 1 Students setting up their designated booth and display panels



Figure 2 Students answering the questions from the judges



Figure 3 The winning team for the Best Project



Figure 4 The winning team for Most Marketable Project



Figure 5 The winning team for Most Innovative Project