



Challenge 2016

1. Introduction

Kuala Lumpur Engineering Science Fair (KLESF) is an initiative started with the aim of enhancing interest in science, technology, engineering, and mathematics (STEM) among school students. It was started in 2013 by five organizations:

- Malaysian Industry-Government Group for High Technology (MIGHT)
- National Science Centre, Malaysia
- ASEAN Academy of Engineering and Technology (AAET)
- Institution of Engineers Malaysia (IEM)
- Universiti Tunku Abdul Rahman (UTAR)



One of the programmes initiated is the annual KLESF: The Fair. The fair was first organized in 2014 and the second was in 2015. The events received overwhelming response in which over the 3-day event, a total of 50,000 visitors were received.

2. KLESF: The Fair 2016

KLESF: The Fair 2016 will be held from **4 to 6 Nov 2016** at **MIECC**, Kuala Lumpur. The fair is expected to attract up to 100,000 visitors this year.

One of the important components of the fair is **School STEM Project Exhibition**. Schools from Malaysia and overseas with STEM projects are encouraged to participate as exhibitors by demonstrating their projects to visitors. An international competition, KLESF Challenge 2016 will be held for exhibiting school teams.

3. KLESF Challenge 2016

The competition will be held based on the following:

Items	Details
Category	<ul style="list-style-type: none"> • Primary school (12 years old or below) • Secondary school (13 - 18 years old)
Assessment criteria	<ul style="list-style-type: none"> • Originality & innovativeness (25%) • Project execution (25%) • Quality & impact (25%) • Project presentation and communication (25%)
Participation	<ul style="list-style-type: none"> • Team size (1 to 3 student members + 1 project mentor <i>(if the project was mentored by volunteer)</i> + 1 teacher) • No limit to the number of teams from each school • Participation form is to be filled up by each team • No fees are charged for participation • Booth space with 1 banquet table, 3 chairs and an electricity power point will be provided for each team • Each team is required to exhibit throughout the 3-day event • Setting up will be done one day before the commencement of event. Details will be provided by the organizer • Assessment by judges will be carried out during the 3-day event through interview and project presentation at the exhibition booth • Each participating team will be provided 1 banquet table, 2 chairs, 1 electrical point and a 2m x 2.5m shell board. Each team is responsible to bring other necessities for the setting up its booth. • Each team is to exhibit its project at the assigned booth throughout the event period regardless assessment progress and status.
Prizes	<p>For each category, the following prizes will be available for award based on recommendation of the panel of judges.</p> <ul style="list-style-type: none"> • Gold medal (RM 500, certificate) • Silver medal (RM 200, certificate) • Bronze medal (RM 100, certificate) • Merit (certificate)
Deadline for registration	15 October 2016

Items	Details
Contact	<p>KLESF Secretariat – Universiti Tunku Abdul Rahman</p> <ol style="list-style-type: none"> 1. Ms. Aswini Kaur (aswini@utar.edu.my) 2. Ms. Lee Woan Shiang (leewoans@utar.edu.my) 3. Ms. Marianne Masli (marianne@utar.edu.my) <p>Tel: 011 - 1888 9397 OR +603 - 9086 0288 ext 116/118/119 Fax: 03 - 9019 3188 Email: info@klesf.net</p>

Possible Areas of Project

The projects can be related to the following areas:

1. Life Sciences (Biology, Botany, Food Science, etc)
2. Physical Sciences (Physics, Chemistry, Astronomy, etc)
3. Medicine and Health Sciences
4. Earth and Environmental Sciences
5. Engineering and Technology
6. Computer Science and Information Technology
7. Mathematical Sciences
8. Behavioral and Social Sciences
9. Interdisciplinary Sciences