

Ignite: Engineering Innovations for a Better Tomorrow

Innovation Competition for School Students

Guidelines

1. Introduction

Thank you for taking part in Ignite: Engineering Innovations for a Better Tomorrow, an Innovation Competition for School Students organized by General Sir John Kotelawala Defence University. This guideline is designed to help students navigate through the process of participating in the exhibition and will provide you with the essential information and tips to make your exhibition experience a success.

The objective of this exhibition is,

- To encourage students to join the university for undergraduate studies.

2. Instructions for Applying

- Students can apply individually or as a team.
- A team shall not exceed **four members**.
- It is mandatory to apply separately for each exhibit to be presented at the exhibition.
- In case of a group invention, the team leader should duly complete the application including the names and personal details of all the team members and subsequent changes for team members will not be accepted. The person whose name is mentioned first in the application form will be considered as the person who will take the leadership of the team.

3. Registration Procedure

- The registration link for the online application can be accessed from the web page <https://foe.kdu.ac.lk/page/engineering-exhibition>
- Duly filled applications on your exhibit should be sent on or before 31st of December 2024.
- For further information call the organizing committee or visit <https://foe.kdu.ac.lk/page/engineering-exhibition>

4. Instructions Regarding the Exhibit

- The exhibit should be useful and fulfill a social need.
- The exhibit should be related to Engineering, Technology, and Information Technology.
- Explosive material or other destructive substances should not be used.
- Any products/ideas borrowed from the Internet should be cited and should undergo prominent modifications to avoid being a copy of the borrowed product. It is advised to borrow only the idea and innovate a new product.
- The presenter should cover the cost of the exhibit and relevant expenses.
- Preferably the exhibit should be a prototype, working model, or finished product with an assessment of value addition.

5. Basis of Evaluation of Designs

Special attention will be given to the following principles when evaluating exhibits presented at the competition:

- Novelty of the invention.
- Accuracy of the design.
- Effective use of instruments and techniques to optimum results.
- Use of environmentally friendly materials.
- Overall outcome of the exhibit.
- Impact on society.

An independent panel of academics will be appointed as judges to conduct the primary selection. The selection will be based on relevance and alignment with theme, originality, and technical merit as well as conformity to safety and ethics. Only the exhibits that pass the initial screening will be able to showcase their work at the exhibition.

6. Reasons to Reject Exhibits

- Products using explosives and other destructive materials.
- Products that can cause harm to humans and animals.

7. Evaluation Criteria

The following criteria (Table 1) could be applicable for the selection of students.

Table 1: Evaluation Criteria

Sr. No.	Criteria for Evaluation	Allocated Marks
1	Creativity and Originality	20
2	Innovation and Practicality	30
3	Technical Proficiency and Execution	15
4	Clarity and Effectiveness of Presentation	15
5	Cost-effectiveness and Sustainability	10
6	Educational Value and Impact	10
	Total Marks	100

8. Awards

The winners of the competition will be awarded according to Table 2.

Table 2: Awards

1 st Place	- Cash prize of Rs.25,000/= - Certificate
2 nd Place	- Cash Prize of Rs. 15,000/= - Certificate
3 rd Place	- Cash Prize of Rs. 10,000/= - Certificate

9. Regulations

- This competition will be open to all school students, who are under the age of 12-19 years as of 31st December 2024.
- Every possible endeavor should be made, to present an invention by the applicants. An invention presented to a competition organized by KDU or any other institution will be accepted only if it has been considerably improved and subsequently, an award is not received for it. A declaration to this effect should be submitted with a clear description, with details of the invention and the subsequent improvements in detail.
- A duplicate of a product that is in the market at present, will not be accepted at the competition.
- The conditions and rules of the competition may be changed at the discretion of the organizing committee. Such changes will be notified to the competitors.
- In case, a person who has received an award is discovered subsequently to have violated a condition or a rule of the competition even after completion, he will be required to return all awards, prizes, and certificates and will be debarred from appearing for any other competition organized by KDU.
- The committee or the judges will not consider the monetary value of the project for the evaluation. The organizing committee does not recommend spending a large amount of money on the projects, under any circumstances.
- The competitors should strictly abide by the rules and regulations of the competition. If they do not comply, they will be disqualified from entering the competition. The decision by KDU concerning the awards at the competition will be the final.

For further information contact the organizing committee through 071-8038471 or via sandyanip@kdu.ac.lk