

# ROBO AVE

## 2020

*'Life Aid for the Differently Abled'*



## Rules and Guidelines

Organized by  
Electronics, Robotics and Innovation Club  
General Sir John Kotelawala Defence



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General Sir John Kotelawala Defence University



## INTRODUCTION

The Electronics, Robotics and Innovation Club (ERIC) of the General Sir John Kotelawala Defence University is on a mission in making this world a better place for humankind through innovations and engineering design.

During this journey, we were able to identify a very special group of people in our society. They needed the best of our ability and creativity to make their lives as normal as possible. They are none other than the “Differently Abled”. With the use of technology and engineering design, we intend to make their abilities into possibilities to help them succeed in life.

Thus we the ERIC is planning to conduct our annual flagship event of the year under the theme:

**“Life Aid for the Differently-Abled”** to design and build a complete product or a working prototype, that will help the differently-able to improve their quality of life and make their day to day activities more convenient.

## COMPETITION OUTLINE

1. All registered competitors will take part under three categories namely: Open category, University Category and School Category.
2. All registered competitors are required to submit a project report including a synopsis, a list of specifications and relevant photographs. Thus, will be shortlisted by an Open and University Categories will be evaluated under Judging Criteria I (Attached below).

They are required to present their product to the panel of judges within a given period of time.

3. School Category Competitors will be evaluated under Judging Criteria II (Attached below).

They are required to showcase their product in an exhibition where the judges will evaluate the performance.

4. Any competitor from a category other than the School Category will also be allowed to showcase their product in the exhibition upon prior request.
5. All competitors are required to build a complete product or a working prototype.



## **OPEN AND UNIVERSITY CATEGORIES**

### **COMPETITION ROUND**

Shortlisted competitors are required to present their product to a panel of judges within 10 minutes after which a 10 minute's Q & A session will follow.

Competitors are required to bring a short but adequately and sufficiently detailed presentation of their product including the technology used, accuracy, novelty, social impact, feasibility, design aspects relating to the product and ergonomics.

Main evaluation criteria for the products are as follows,

1. Design and Design concept
2. Applicability
3. Features of the product: reliability, safety, accuracy and ergonomics
4. Novelty and product performance
5. The ability to mass produce and further expand.

Product Information will be kept confidential.

Accordingly, the winner, 1st runner up and 2nd runner up will be selected.

### **PRESENTATION ROUND (REQUIRED)**

Selected competitors from the competition round are required to pitch their product to the audience which includes potential investors within 10 minutes.

The competitors are not required to reveal any sensitive information.

No evaluation will take place at this point. Although, these competitors will gain further benefits such as networking with potential investors and mentorship.

### **SCHOOL CATEGORY**

All shortlisted competitors are required to showcase their product to the public.

The exhibition will be evaluated by a panel of judges which will select the winner, 1st runner up and 2nd runner up.

Main evaluation criteria for the products are as follows,

1. Design and Design concept
2. Applicability
3. Features of the product: reliability, safety, accuracy and ergonomics
4. Novelty and product performance





## **GENERAL RULES AND REGULATIONS**

Also note that:

1. All competitors should be present on or before 0900 hrs.
2. Each team is limited to a maximum of 5 participants.
3. All competitors are required to bring a valid form of identification (University category competitors must produce their University ID and school category competitors may use postal ID along with a letter of consent from the respective Principal).
4. The product must satisfy all mentioned product specifications.
5. The decision of the judges will be final.
6. The presentation should be concise and the team should be able to prove their claims about the invention.
7. All competitors should verify the necessary equipment required beforehand as only basic facilities will be provided by the KDU. Any further equipment/tools required should be brought by the competitors.
8. All competitors should ensure safety during the event and will be held responsible for any damages caused.
9. Finalists may be called in for a second demonstration upon prior request of the management.
10. Teams will be disqualified if modifications are done to the product after the presentation at the first round.
11. Teams with modified products presented without mentioning the existing patent will be disqualified.
12. One team can only be registered under one category.





## CONTACT INFORMATION

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