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திகதி
Date

18.05.2020

Circular No: 08/2020

- All Provincial Chief Secretaries
- All Secretaries of Provincial Ministries of Education
- All Provincial Directors of Education
- All Zonal Directors of Education
- All Deputy / Assistant Directors of Education in charge of Divisions
- All Principals

All Island School Robotics Competition and Exhibition

It has been an obvious fact that the world is tending towards the Robotic technology and new inventions in an era wherein the technology is rapidly being developed. Consequently, arrangements have been made by the Ministry of Education to conduct the All Island School Robotics and New Inventions Competition annually with the objective of inspiring the generation of children to confront challenges of the future world of work by fostering Knowledge, attitudes, skills and practical techniques and to sharpen up their creativity competencies related to this field.

This circular is effective ahead beyond the provisions of the circular no.28/2019 dated 21.05.2019.

01. Objectives:-

1. To showcase, encourage, and to evaluate the hidden talents of the school students.
2. To update their awareness of the orientation of the future world of work and to improve innovative thinking and thereby to develop their skills on inventions.
3. To guarantee the access of education of Sri Lanka towards the rapidly developing technological trends of the world.
4. To promote talents of the school children by strengthening the intervention of the Government towards Robotics Technology Education.
5. To establish the concepts of entrepreneurship on automation through upgrading students' Robotic Technical skills required for the labour market enabling the students to compete with the future world of work.

The emphasis is given to the following particulars in the school competition conducted annually.

02. Scope of the Competition.

This competition is held under two main themes.

- I. Theme 1 – Competition related to Robotic Technology.
- II. Theme 2 – Competition of New Inventions

Creations can be submitted according to the respective area that is used in technology as indicated in the following Head Numbers. One creation should be presented for the national competition only under one theme.

Head No.	Area
01	Production Industry and Environmental Studies <ul style="list-style-type: none">➤ Robotic and other creations produced for the convenience or automation of the works of agriculture, fisheries, other industries and environmental activities.
02	Education <ul style="list-style-type: none">➤ Robotic or other creations to improve the quality of learning - teaching process.➤ Robotic or other creations that can be used to facilitate the learning-teaching process.
03	Engineering Technology and Production <ul style="list-style-type: none">➤ Robotic or other creations related to action automation➤ Robotic machines invented to minimize the cost of the production techniques or other creations
04	Entertainment <ul style="list-style-type: none">➤ Robotic machinery or other creations that can be used for entertainment purposes/ sports activities
05	Health and Medical <ul style="list-style-type: none">➤ Robotic or other creations invented for health care or medical activities.

03. Levels of the Competition

- i. School students less than 18 years of age studying in Grades 6 – 13 in National and Provincial schools covering the 09 provinces are eligible to participate in the competition.
- ii. Students of all schools (Government, Assisted schools) and Piriven are able to participate in the competition and robotic creations designed in accordance with the aforementioned methodology will be presented in the Provincial competitions on the recommendation of the principal of the school / pirivena.
- iii. Each creation presented to this competition should be a production of one student and the teams are not allowed.

- iv. The creations that receive first, second and third places under the above themes at provincial level will be demonstrated in the exhibition conducted in line with the final competition.
- v. The Provincial level competition should be held under each theme in accordance with each field.
- vi. The first, second, third places will be selected from the creations that win the places at provincial level related to the respective area of the competition. The certificates, trophies and prizes will be awarded to the winners by the Ministry of Education and the amount of money awarded is mentioned below (Financial rewards awarded for each area of competition under Robotic Technology and New Inventions are as follows)

First place	-	Rs. 25,000.00	-	01
Second place	-	Rs. 15,000.00	-	01
Third place	-	Rs. 10,000.00	-	01
Merit	-	Rs. 5,000.00	-	From the 4 th place to 10 th place

- vii. A financial grant of Rs. 25,000.00 will be offered to schools that secure first places from the respective area of the competition for the promotion of technical education of the school.

04. Time Frame

School level competitions	-	Before 30 th June
Provincial Level Competition	-	Before 31 st July
National Competition	-	Before 30 th September

05. Organization and Judgement

Provincial Competition

The Provincial level competition should be organized by the Deputy Director of Education / Assistant Director of Education who co-ordinate the technical subjects of the province. The composition of the panel of judges for the competitions organized by the provinces should be as follows.

- A lecturer of a university with a comprehensive knowledge of Robotics Technology/ Electronic and Electrical Engineering / Electronic and Telecommunication Engineering / Mechanical Engineering Science / Artificial Intelligence or any related field or a Chartered Engineer of the relevant fields.
- An officer nominated by the Technical Education Branch of the Ministry of Education
- Deputy Director of Education/ Assistant Director of Education in charge of Technical subject / Engineering Technology subject of the province
- A teacher representing another province who possesses knowledge on the relevant field.
- Provincial Director of Education will act as the final decision taker at the Provincial level competition.

06. National Competition :-

The National Competition will be organized by the Technical Education Branch of the Ministry of Education

The composition of the panel of judges for National Competition should be as follows.

- Two lecturers of a university with a comprehensive knowledge of Robotics Technology/ Electronic and Electrical Engineering / Electronic and Telecommunication Engineering / Mechanical Engineering Science / Artificial Intelligence or any related field or two Chartered Engineers of the relevant fields.
- The Director of Education (Technical) of the Ministry of Education and two officers nominated by him.

07. Panel of Judges:

Three representatives nominated by the Secretary of the Ministry of Education will be the members of the panel of judges and their decision will be final and conclusive.

In respect of any issues in implementing the provisions of this circular, the Secretary to the Ministry of Education reserves the right of final decision. Also, at the event of any inconsistency among Sinhala, Tamil and English texts of this notification, Sinhala text will prevail.

Accordingly, I firmly expect that the students of your school and the province will act to promote Robotic Technology in line with these instructions. Your active contribution for this task executed for the betterment of the students of Sri Lanka is highly appreciated.



N.H.M. Chithrananda
Secretary
Ministry of Education