

*YOUNG INVENTORS FOR
A BETTER FUTURE*

AUGUST, 2021

BROCHURE OF GUIDELINES

IESL Junior Inventor of the Year - 2021

PRESENTED BY
IESL JIY Committee



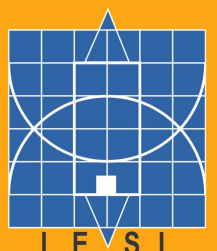
www.iesl.lk/JIY_UIY/jiy



jiy@iesl.lk

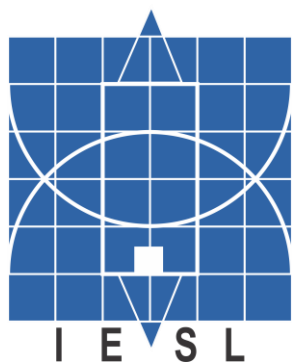


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Introduction

Institute of Engineers, Sri Lanka (IESL)



Established in 1956, IESL was found with the objective of providing general advancement of science and practice of engineering, in all disciplines concerned according to rules agreed to by its members. In

1968, the Institution of Engineers, Sri Lanka was made an incorporated body of the Government by an act of parliament. It represents the interests of the engineering profession and the general public its members serve.

The activities of IESL have become broader and diversified with time, and at present, it has a significant number (IESL Member Directory) of engineering professionals of all branches of engineering serving in all parts of Sri Lanka and abroad. One of the key functions of IESL is to ensure the quality standards of engineering professionals practicing in Sri Lanka, by conducting a Professional Review of suitably qualified members for the status of 'Chartered Engineer' and 'International Professional Engineer'.

The IESL conducts long and short-term Continuing Professional Development (CPD) programs, seminars, learned lectures, and orations and also recognizes organizations that provide training for the charter candidates after a rigorous evaluation process. It also recognizes academic institutions that provide engineering education for the different levels of membership of the IESL and is the accreditation body for engineering degrees in Sri Lanka.

The headquarters of the IESL is located in a highly residential area of Colombo 07, Western Province, and there are Provincial Centers established in all other Provinces of the country. Also, it has overseas chapters like New South Wales Chapter, New Zealand Chapter, Western Australia Chapter, Qatar Chapter, and QLD Chapter.

As for now, the total membership is 20,248 (Corporate Members - 5,230, Fellow - 526, Honorary Fellow 3, Associate Members - 11,594, Affiliate Members - 145, Companions - 9, Associates - 32, Student Members - 2,709 (IESL Annual Transactions 2020). In Sri Lanka, the award of Chartered Engineer (C.Eng.) status is exclusive to The Institution of Engineers Sri Lanka (IESL). Chartered Engineer represents the highest standards of professionalism, leadership, up-to-date expertise, quality and safety, and the ability to undertake independent practice.

While having the vision to be amongst the leading professional institutions in engineering and technology in the world, this apex body for Professional Engineers in Sri Lanka is working towards the mission to ensure internationally recognized and locally relevant standards in the professional practice and education in engineering, while actively supporting national development and diligently serving its members and the society at large.

Junior Inventor of the Year (JIY)



The Junior Inventor of the Year (JIY) competition was pioneered by the Institution of Engineers, Sri Lanka (IESL) in 1980. It promotes creativity, inventiveness, and ingenuity amongst

school children. Intending to empower young minds, the competition allows students to present innovations of their own and offers recognition they truly deserve. Being a locally and globally recognized platform the Junior Inventor of the Year competition is the best way to pave the deserved path for the creative young community in Sri Lanka.

Encouraging innovation in engineering and technology among school children, this year also

the IESL is organizing its 41st version of the Junior Inventor of the year competition.

During a prevailing situation that humankind is battling against a global pandemic, the Junior Inventor of the Year competition is a tremendous opportunity for young innovative minds to strive and shine with their knowledge and skills. As in every other year, this collective effort by IESL is unfolded intending to inspire the young generation in Sri Lanka while taking the visionary innovative youth community one step further in the world.

All the young inventors are invited to unleash their inner potential through the JIY competition. The school students of age 12 to 19 will have this golden opportunity to enlighten their innovative path and become the inspiring new generation of leaders in Sri Lanka.

Instructions to the School Representatives

An introduction about the JIY Competition, the value of this competition, and the following information should be conveyed to the respective school you are representing.

Afterward, contact numbers and email addresses of a teacher-in-charge and the school should be acquired. They will be collected from you by a member of the Subcommittee of IESL JIY.

- Age group: 12-19 years
- Innovations can belong to any field/industry but should not possess a reason to be rejected by the panel of judges of IESL. (Reasons to reject creations are mentioned in the latter part of this document)

- Applications and all details pertaining to this competition can be obtained from the website https://iesl.lk/JIY_UIY/jiy or by sending an email to jiy@iesl.lk.
- Completed application forms including the details of the invention or innovation presented should be sent to the address below.

**Deputy Executive Secretary
(Education),
The Institution of Engineers, Sri Lanka,
No 120/15,
Wijerama Mawatha,
Colombo 07.**

- Telephone: 011-2698426
0713535329
0718735338

- Fax: 011-2699202.
- Closing date for applications: **15th September 2021**
- Details of the object (innovation) and its functions with diagrams should be presented. Applications without such details will be rejected from the competition.
- If there are any revisions to the invention or innovation suggested, they can be made even after it is presented. However, when the final invention is presented, relevant revision details should be sent along with it
- Students are encouraged to download the regulations and, J application from the website https://iesl.lk/JIY_UIY/jiy which are regarding personal information of the applicant and details about the invention respectively.
- All applicants should register for JIY through the website (https://iesl.lk/JIY_UIY/jiy) (or by visiting www.iesl.lk → Home → Chapter & Forum → Forums → IESL JIY → [Registration](#))
- Submissions should be made via website or email to IESL by using jiy@iesl.lk or postal method.
- Further, with the final invention, a logbook endorsed with experiments, observations, results, and obstructions that cropped up during the invention should be submitted.
- Students may also apply as a team or individual. A team shall not exceed three members. All Individuals should submit J

application. For team innovations, each member should fill the J application form to be submitted.

- Students are expected to follow the “Book of guidelines” sent to the schools when creating their inventions. It consists of instructions, the basis of the evaluation of the invention, and hints for new inventions.
- It has been organized to hold workshops for all applicants in respect of new inventions. Further details will be informed later.

❖ Reasons to Reject Applications

- Products using explosives and other destructive materials.
- Modeling of existing products and processes.
- Products that can cause harm to humans and animals.

❖ Competition timetable

Competition level	Estimated Date
Provincial Level	September & October 2021
Final Competition	October 2021

❖ Provincial-level winners will obtain a chance of field visiting a state University in Sri Lanka.

❖ Awards

1st Place	The esteemed title of “The most innovative team of the Year -2021” Cash Prize of Rs. 7,000/= A Gold Medal and A Certificate.
2nd Place	Cash Prize of Rs. 6,000/= A Silver medal and A Certificate.
3rd Place	Cash Prize of Rs. 5,000/= A Bronze Medal and A Certificate.

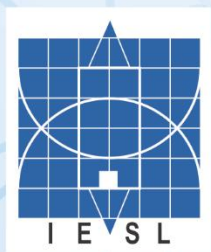
1st Place	The esteemed title of ‘Junior Inventor of the Year’ Cash Prize of Rs. 20,000/= A Gold Medal, A Certificate.
2nd Place	Cash Prize of Rs. 17,500/= A Silver medal, A Certificate.
3rd Place	Cash Prize of Rs. 15,000/= A Bronze Medal, A Certificate.

- The best team innovation and awards under different categories mentioned in

the below table will receive separate awards as follows.

Other categories:

- Appliances that help work at home, kitchen, and garden, make simpler and efficient
- Appliances that save energy
- Mechanisms that ensure personal safety and degree of fool-proof operation
- Introduction/ integration of methods/ techniques to the appliances that improve efficiency
- Products that promote the environmentally friendly process
- Products have been done using local raw material
- The best team innovation Awards under other categories
- Scholarships will be awarded to five selected winners to cover the expenses until the end of university education.
- Ten selected winners will be given a research internship at the University of Moratuwa.
- The school winner of Junior Inventor of the year will be awarded the IESL Challenge Cup with a Cash Prize.
- The best teacher who is recognized to have guided participants in this competition will be awarded a special certificate and a monetary prize.
- All provincial winners will be reward with a valuable certificate.



INSTITUTION OF ENGINEERS SRI LANKA

JUNIOR INVENTOR OF THE YEAR

COMMITTEE MEMBERS 2020/2021



Eng. M.R. Ranathunga
Advisor



Eng. Navodana Kankanamge
Chairman



Eng. Dayan Herath
Immediate Past Chairman



Eng. J. Meegoda
Advisor



Dr. Dulini Mudunkotuwa
Secretary



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Eng. Jayantha Dayananda
Assistant Secretary



Eng. Ramjee Kubeiralingum
Committee Member



Eng. Udara Manathunga
Committee Member



Eng. Suhashini Ihalagama
Committee Member



Eng. Rajmohan Rajragavan
Committee Member



Eng. Hemaka Lakmal
Committee Member



Eng. Ravindu Buddhila
Committee Member



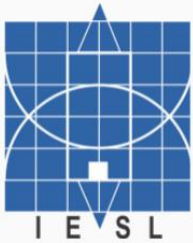
Eng. Sachini Somathilaka
Committee Member



Eng. Sandima Samarasinghe
Committee Member



Mr. Akila Wijesinghe
Committee Member



INSTITUTION OF ENGINEERS SRILANKA JUNIOR INVENTOR OF THE YEAR

CONTACT PERSONS FOR FURTHER INFORMATIONS



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