

## **NATIONAL INNOVATION AWARDS 2022**

### **CATEGORIES**

1. Education and Popularization of Science Technology and Innovation
2. Agriculture, Food and Agro-processing
3. Energy and Energy Efficiency
4. Information and Communication Technology
5. Entertainment Products
6. Environmental Sustainability/ Climate Change
7. Health and Safety
8. Engineering and Manufacturing

### **GENERAL CRITERIA FOR ENTRY**

In general Inventions and innovations refer to products, processes, equipment, tools etc. that demonstrate originality and are beneficial to industry or society. Such inventions or innovations could be developed through informal or formal research and development. While detailed criteria are different for each category, the following are generic:

1. Be in use or its functionality can be practically demonstrated.
2. Perform a function that makes life easier and/or improves the quality of life.
3. Display creativity and demonstrate the economic use of material(s) available locally or indigenous to Jamaica.
4. Be the creation of an original, or a unique adaptation of existing gadgets, equipment, concepts, processes, products, or services with social or economic benefit.
5. Have realized or have the potential for commercialization.
6. Be safe for use and environmentally friendly.

7. Must not infringe on any intellectual property rights or legal statutes.

## **SPECIFIC CRITERIA FOR INDIVIDUAL CATEGORIES**

### **Education and Popularization of Science and Technology and Innovation**

This award will recognize and honour excellence in the development and promotion of science and technology programmes and the enhancement of education.

- Potential to facilitate learning
- Must demonstrate use of innovative and effective strategies in the popularization effort
- Must facilitate or enhance the exploration, investigation and utilization of science and technology
- Must solve or reduce a problem in education or in educating the public
- Must demonstrate the skillful use of information and also understanding and practical application of science and technology concepts

### **Agriculture and Food and Agro-processing**

- The project should have a specific application in agricultural food production or agro-processing
- Must utilize existing agricultural produce in creative ways through preservation, enhance growth capabilities, marketing and standardizing
- The product or process must be new or is a significant improvement on an existing

### **Energy and Energy Efficiency**

- All submissions in this category should demonstrate and document how renewable energy is or can be incorporated into Jamaica's energy mix.
- Products and processes must:
  - Be as or more efficient relative to mainstream energy generation processes;
  - Generate little to no carbon emissions;

- Introduce little to no pollution into ecosystems. This encompasses physical, chemical, organic, thermal and air pollution;
- Demonstrate the safe use and disposal of hazardous material where applicable;
- Not infringe of the land and human rights of any group;
- Not result in the disruption of ecosystems (e.g. deforestation; dams in rivers);
- Not compromise human health.

### **Information and Communication Technology**

- How ICT & Electronics could be used to enhance the learning process and create a rationale for the use of this technology
- Should facilitate efficiency or make work easier
- The application should be practical and applicable without being unduly complex
- Must not infringe any intellectual property rights

### **Entertainment Products**

- Must not infringe any legal statutes
- Must demonstrate creativity and ingenuity, that is entries must be aesthetically pleasing, unique and inventive
- Games must include instructions for use
- Concepts and applications must be original in design or offer significant improvement or adaptation of an existing concept

### **Environmental Sustainability/ Climate Change**

- All submissions in this category should solve or mitigate an environmental problem.
- Submissions must:
  - Generate little to no carbon emissions, or reduce carbon emissions;
  - Not use endemic or endangered plants or animals or their products (scales, feathers, faeces, etc.);

- Not use resources obtained from protected areas or reserves whether marine, terrestrial or freshwater;
- Not result in the disruption of ecosystems (e.g. deforestation; dams in rivers);
- Introduce little to no pollution into ecosystems. This encompasses physical, chemical, organic, thermal and air pollution;
- Not compromise human health.

### **Health and Safety**

- All submissions in this category must:
  - Not compromise human or environmental health and safety;
  - Not infringe on any legal statutes;
  - Resolve or alleviate a physical or mental health safety issue; and
  - Demonstrate potential to improve overall well-being.

### **Engineering (Mechanical, Electrical & Chemical) and Manufacturing**

- The item/product/process must perform a practical function including but not limited to technologies that make life easier or safer in some way, reduce or solve an everyday problem
- Must be creative and demonstrates the economic use of material available locally or indigenous to Jamaica
- Must show some economic feasibility that it should result in quantifiable increased productivity and or financial benefits
- Process or product must demonstrate the use of environmentally friendly practices in their construction and eventual use
- Potential to be commercialized