

Aim High

Best Scientific Innovation Nomination Form



Cycle 22

1440 - 1441

2019 - 2020

Our Vision

**Leading the Way in Supporting Excellence of Academic Performance and in
Nurturing the Gifted and the Innovative**

**Thank you for your interest in participating in Hamdan Bin Rashid Al Maktoum Foundation for
Distinguished Academic Performance Awards.**

We wish you all the best

Note: Hard Copy (Paper) applications are no longer valid. Please fill out the electronic application form through <http://tahkeem.ha.ae> during the annual application calendar found on: <http://www.ha.ae/web/guest/annual-calendar>

Definition of “Best Scientific Innovation” Category

A product (device, prototype, etc.) of scientific nature produced by students, with which these students prove their innovative attributes and abilities.

Incentives and Rewards

- Winner will receive a financial reward of AED 30,000, a Certificate of Appreciation and an Excellence Trophy.
- A Certificate of Excellence is awarded to participations receiving a minimum of 80% of allocated marks.
- A Certificate of Participation is awarded to participations receiving a minimum of 50% of allocated marks.

Participation Conditions

All students in public and private schools, applied technology institutes and public and private universities are eligible to apply for the Best Scientific Innovation Award per the following conditions:

- School students in grades 6-12; University students in first-last years in the Bachelor degree program.
- A maximum of 6 students per one innovation working under a supervisor.
- Innovation participants must be from the same school, college or university.
- An innovation must not be a repeat unless core improvements are incorporated.
- An innovation should not have received any awards locally or internationally.
- An innovation cannot be in violation of any legal, moral or common regulations.
- An innovation cannot be part of participants' regular curricula.
- Applicant student(s) should be the innovation's idea creator, and should have signed the related pledge in the application form.

General Guidelines

The Electronic Application Form

1. All Award application forms and all enclosures should be filed out electronically through: <http://tahkeem.ha.ae>.
2. Enclosed documents and attachments cannot be repeated and should carry orderly serial numbers.

Evidence and Attachments

1. In the application form, if the answer is yes, please attach supporting evidence.
2. Higher scores are given to evidence conveying stronger proof.
3. In case you want to add essential details or necessary elaboration of your efforts, please enclose it as an attachment.
4. All documents provided will be the property of the Foundation.
5. All enclosed evidence should be of activities conducted in the past three years other than the year of Award application.
6. Please retain all documents exceeding the pre-set sizes and make available if and when requested by the evaluation committee.
7. All enclosed documents should be dated, signed and stamped.
8. A maximum of 2 proofs should be displayed on 1 page; if attachment is unclear, no mark will be granted.

Please print the following Avowal, sign, date and stamp and enclose electronically.

Avowal

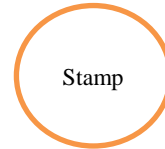
I, the undersigned, attest to the truthfulness of all information and documents enclosed with the application form, and if proven otherwise, the Foundation administration has the right to take all necessary measures, and declare herein that I have read, understood and will commit to all Award application conditions.

Endorsement

Applying Organization

Name:

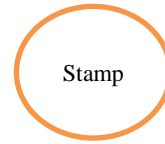
Signature:



Authorized Person In-Charge

Name:

Signature:



*Applying Organization refers to a school, college, university, institute, education zone, central administration.

*Direct Person In-Charge refers to college dean, institute director, education zone director, central administration director, etc., i.e., the direct supervising entity of the "applying organization".

Declaration

I pledge that the scientific innovation that I am presenting to the Hamdan bin Rashed Al Maktoum Foundation Awards for Distinguished Academic Performance/Best Scientific Innovation category is my property from the conception of the idea to the building of the model. This innovation has not received any awards in any other competition either within or outside the UAE. Furthermore, I declare that I have read all instructions and conditions on applying for the Award, wherein I will abide to all the formerly mentioned guidelines.

Participants' Signatures

Student (1) Name: Signature:

Date: / /

Student (2) Name: Signature:

Date: / /

Student (3) Name: Signature:

Date: / /

Student (4) Name: Signature:

Date: / /

Student (5) Name: Signature:

Date: / /

Student (6) Name: Signature:

Date: / /

Data Sheet for Best Scientific Innovation

Student 1

Name:
School/University:
Grade/Year:
Emirate: City:
School/University Tel #:
Student's Residence Tel #: Mobile:
E-mail:
Signature:

Color photo
4 x 6
*enclose e-photo

Student 2

Name:
School/University:
Grade/Year:
Emirate: City:
School/University Tel #:
Student's Residence Tel #: Mobile:
E-mail:
Signature:

Color photo
4 x 6
*enclose e-photo

Student 3

Name:
School/University:
Grade/Year:
Emirate: City:
School/University Tel #:
Student's Residence Tel #: Mobile:
E-mail:
Signature:

Color photo
4 x 6
*enclose e-photo

Student 4

Color photo
4 x 6
*enclose e-photo

Name:

School/University:

Grade/Year:

Emirate: City:

School/University Tel #:

Student's Residence Tel #: Mobile:

E-mail:

Signature:

Student 5

Color photo
4 x 6
*enclose e-photo

Name:

School/University:

Grade/Year:

Emirate: City:

School/University Tel #:

Student's Residence Tel #: Mobile:

E-mail:

Signature:

Student 6

Color photo
4 x 6
*enclose e-photo

Name:

School/University:

Grade/Year:

Emirate: City:

School/University Tel #:

Student's Residence Tel #: Mobile:

E-mail:

Signature:

*** Please explain the role and contribution of each of the participants in the innovation in accordance with the following table:**

Name	Contributions to Planning, Execution and Evaluation

Have you ever participated in Hamdan Bin Rashid Al-Maktoum Foundation Awards for Distinguished Academic Performance/Best Scientific Innovation category?

Yes No Result (.....) Cycle (.....)

Best Scientific Innovation Evaluation Criteria

Main Criterion	Allocated Points	Earned Points	
		Stage 1	Stage 2
1- Innovation Idea	100		
2- Innovation Planning	320		
3- Innovation Implementation	320		
4- Innovation Evaluation	260		
Total	1000		

The Final Decision of the Evaluation Committee

Initial Evaluation Result:

The Nominated Innovation Deserves:

- Field Visit/ Personal Interview
- A Certificate of Participation
- Another (Reason):

Evaluation Committee Members:

Name: Signature:

Name: Signature:

Approved by Committee Chairperson:

Name: Signature:

The Field Visit/ Personal Interview Result:

The Nominated Innovation Deserves:

- The Best Scientific Innovation Award
- A Certificate of Excellence
- A Certificate of Participation
- Another (Reason):

Evaluation Committee Members:

Name: Signature:

Name: Signature:

Name: Signature:

Approved by Committee Chairperson:

Name: Signature:

2. Innovation Planning (320 points)**Earned Points**

This criterion relates to the identification of the rubric/subject of the innovation, and the benefits that might be gained from it. Criterion also identifies the knowledge base from which this innovation emerged and the practices followed by the innovators for the purpose of securing funding and setting up plans for implementation.

No	Query	Yes	No	Allocated Points	Earned Points	
					Stage 1	Stage 2
2.1	Have the reasons for selecting the name/rubric of the innovation been identified?			30		
2.2	Has the need for the innovation and its emergence been identified?			30		
2.3	Has the scientific method for the emergence of the innovation been identified?			30		
2.4	Have you looked into or examined ideas similar or related to this innovation?			30		
2.5	Have you identified the differences between your innovation and other similar ideas?			30		
2.6	Have you drawn a plan for the innovation?			30		
2.7	Have you identified the urgent needs for the implementation of this innovation?			30		
2.8	Have you identified the potential practices to secure the needs for such innovation?			35		
2.9	Have the stages of implantation for this innovation been identified?			30		
2.10	Have you enclosed the innovation plan, including definition, time, executors, budget, means and methods?			45		
Total				320		

3. Innovation Implementation (320 points)	Earned Points
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This criterion is pertinent to the procedures followed in the implementation of this innovation, difficulties encountered, and the mechanisms of overcoming such difficulties.

No	Query	Yes	No	Allocated Points	Earned Points	
					Stage 1	Stage 2
3.1	Has the innovation been implemented?			60		
3.2	Have you used environment-friendly material in designing and making the innovation and considered the consumption of such materials?			30		
3.3	Have you identified the difficulties encountered during the implementation phase?			35		
3.4	Have you identified the practices to overcome the difficulties of implementing the innovation?			35		
3.5	Have you followed the public safety practices in the implementation of this innovation?			30		
3.6	Have you tried or experimented on the innovation?			30		
3.7	Have you enclosed a CD to show the innovation while being put together and while being used?			100		
Total				320		

4. Innovation Evaluation (260 points)**Earned Points**

This criterion identifies the positive and negative aspects of the innovation as well as the practices that were executed for its development.

No	Query	Yes	No	Allocated Points	Earned Points	
					Stage 1	Stage 2
4.1	Have the mechanisms and tools of assessing the innovation been identified?			40		
4.2	Have you consulted experts or third parties to assess the innovation?			25		
4.3	Have you assessed the positive aspects and benefits of the innovation through the assessment tools?			30		
4.4	Have you identified the negative aspects of the innovation and its downsides through the assessment tools?			30		
4.5	Have you identified your efforts in overcoming those negative aspects and downsides in future?			40		
4.6	Have you compared between the benefits of the innovation and its financial costs?			35		
4.7	Have you identified your initiatives for the distribution and marketing of your innovation?			30		
4.8	Have you identified any creative ideas to improve the innovation in future?			30		
Total				260		

References

At the time of filling out the application form, participating party should add the contact information of the following personnel for the Foundation to communicate with:

- Advisor/Educational Counselor
- Technical/Academic Supervisor