

**Hamdan Foundation
Supports Activities
of UNESCO's Teacher
Task Force**

**327
Shortlistees**

**for Central
Arbitration
in Hamdan
Foundation's
Awards**

**Implementing
Hamdan bin Rashid's Directives**

**Supporting Hamdan -
UNESCO Fund with
One Million Dollars**

**Completing
Interviews
With Nominated
Students for
Final Stage of
"Innovators"
Competition**





January 2021

Issue 132

Issue and Correspondence:
 Hamdan bin Rashid Al Maktoum
 Foundation for Distinguished
 Academic Performance
 Headquarters - Dubai
 United Arab Emirates
 Telephone: 5013333 - Fax: 5013300
www.ha.ae
 E-mail: info@ha.ae

OUR VISION

To be pioneers in the management of excellence in educational performance and fostering talent and Innovation

- foundationhbr
- foundationhbr
- hamdanaward
- foundationhbr

AIT Akhbar amayoz

Monthly Educational Magazine

Chief Editor

Abdul Noor Ahmed
 Al Hashimi

Managing Editor

Hasan Mohammed

Secretary Editor

Amathil Mhd. Gheyath

Editorial Board

Mohammed Ali
 Fatin Matar

Translation

Mohammed Ahmed

Photography

Hatem Maneea
 Mohammed subhi halawa

Technical Supervision

Maher Mohammed



Implementing Hamdan bin Rashid's Directives Supporting Hamdan – UNESCO Fund with One Million Dollars

04



“Hamdan Giftedness” Hosts Delegation From Tashkeel Center

14

Hamdan Foundation Supports Activities of UNESCO's Teacher Task Force

08

3rd Eye Rescues Forgotten Children in Cars

22

Completing Interviews With Nominated Students for Final Stage of “Innovators” Competition

12



Hamdan Center for Giftedness Organizes Virtual Workshop for Parents and Teachers of the Gifted

16

60 Talented Students Participate in 6 Training Webinars

18

Hamdan Center Advises on How to Help Talents Overcome Stress and Isolation

20

327 Shortlistees for Central Arbitration in Hamdan Foundation's Awards

10



Introduction



Coronavirus ... Confrontation Until Victory

- Positive change in the behavior of individuals depends on education, not only on teaching. In addition, what contributes significantly to guiding societies' behavior is the content of the discourse, what image the media paints through its management of information and messages, and how it uses the data received from its reliable sources.
- When we project all of this to the global health crisis resulted from the COVID-19 pandemic, it is noticed that we, in the UAE, have succeeded, thanks to the conscious management of the crisis, and the necessary and decisive measures taken by the authorities, to secure human safety before any other considerations.
- At a time when some believed that they are safe from Coronavirus after the availability of several types of vaccines, and after the optimistic news from the key medical laboratories and pharmaceutical industry leaders, we suddenly began to witness an alarming increase in the cases of infection and deaths. This increase indicates that the exaggerated carefreeness and slack of adherence to the prevention instructions contributed to this situation that could bring us back to square one.
- What we are most in need of, in this situation, is to enhance social awareness of the behavior consistent with understanding the data and changes of the pandemic, which is a psychological, educational process aimed at creating a sense of responsibility, discipline, and loyalty for every member of society.
- We, as parents, teachers, educational institutions, media outlets, and social media, and everyone without exception, are requested to confront this pandemic today more than ever. We also need to cooperate, join efforts with the government, and employ all means, including media channels and websites to encourage positive behavior, refuse disregard for preventive measures, and condemn carelessness of implementing the guidelines. Moreover, we should not circulate unreliable information but support community cohesion, up to completing the national vaccination program and overcoming this crisis, hopefully. We have tremendous confidence in the Ministry of Education, which made an exceptional effort during the Coronavirus crisis, as it prioritizes the safety of learners, teachers, and school customers by taking the appropriate decisions regarding the return of students to classrooms or the continuation of the distance learning system, in light of the pandemic's developments.

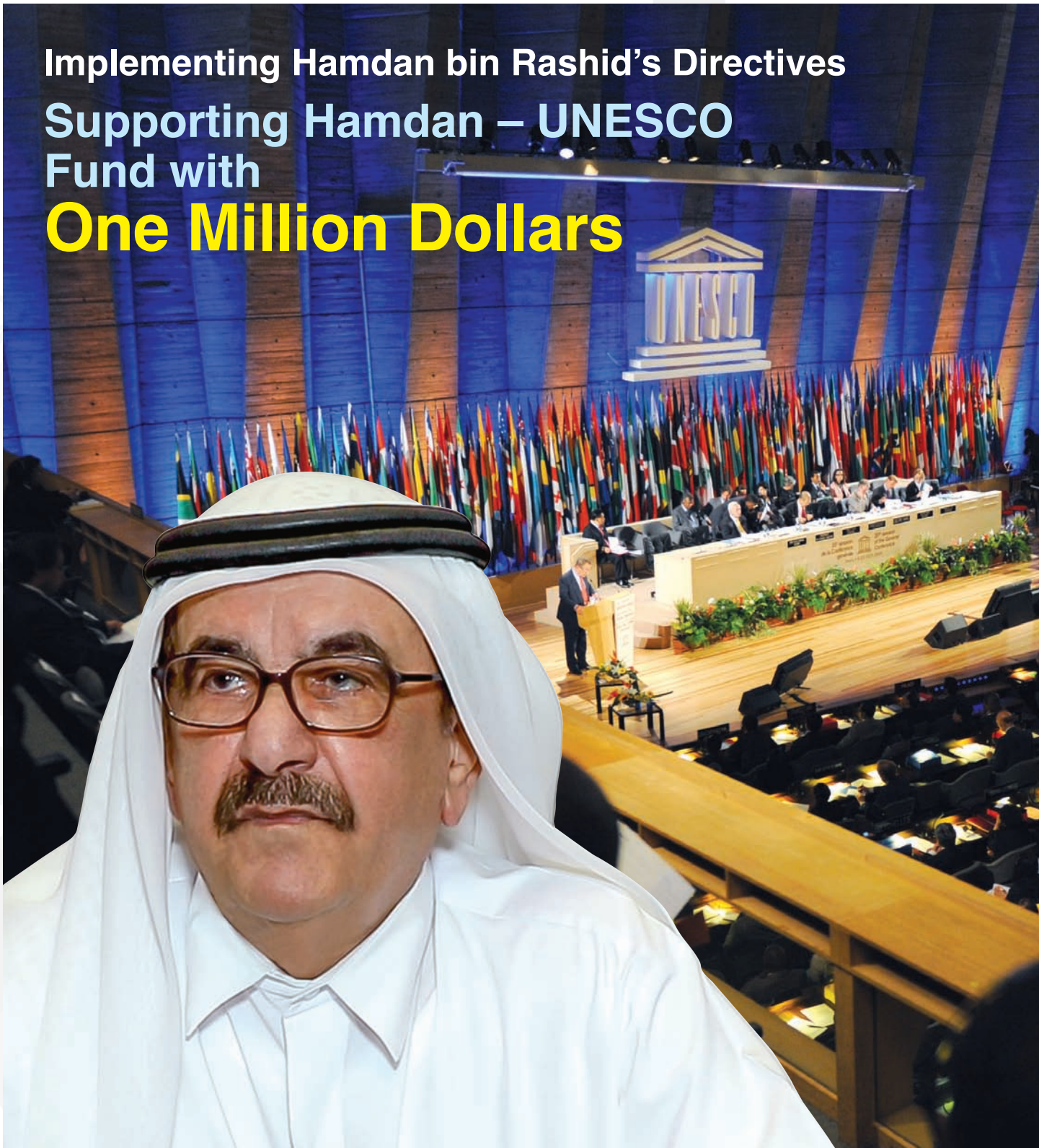
Abdul Noor Ahmed Al Hashimi
Chief Editor

Email: magazine@ha.ae Kindly address the letters or emails to the Chief Editor

We welcome your contributions and inquiries as to pursue communication with you.

Please write to us on the following addresses: P.O.Box 88088, Dubai, United Arab Emirates

Implementing Hamdan bin Rashid's Directives Supporting Hamdan – UNESCO Fund with **One Million Dollars**





Dubai - 'Akhbar Al Tamayoz'

The Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance announced supporting the Hamdan bin Rashid Al Maktoum – UNESCO Fund, with an amount of one million dollars. The Fund specializes in financing initiatives and projects supporting education. This aid comes in implementation of the directives of His Highness Sheikh Hamdan bin Rashid Al Maktoum, Deputy Ruler of Dubai, the UAE Minister of Finance, and President of the Foundation. It also aligns with the Foundation's commitment to developing and empowering teachers in various societies, besides its pioneering role in providing the global education system with innovative solutions.

Dr. Jamal Al Muhairi, Vice Chairman of the Board of Trustees and Secretary-General of the Foundation, said: "In an implementation of His Highness Sheikh Hamdan bin Rashid Al Maktoum's directives to enhance international cooperation and support education around the world through partnership with UNESCO, we supported the Hamdan bin Rashid Al Maktoum Fund – UNESCO with a sum of one million dollars. The sum is dedicated to finance the joint projects aimed at providing appropriate education methods for all those who are eligible.

Teacher Training

Al Muhairi added: "The main objective of the Fund's support is to enhance UNESCO's efforts in qualifying teachers and providing them with various skills and sciences to advance the entire education system in many societies and various countries of the world. In this context, 3 projects have been financed and sponsored since the Fund's establishment. The funded projects



› **Hamdan Foundation reassures commitment to developing and empowering teachers in various societies**

› **Enhancing UNESCO's efforts in qualifying teachers and providing them with various skills and sciences**

include the teacher statistics project in pre-primary education; the knowledge platform on teacher policies, practices, and research; and hosting the 12th Policy Dialogue Forum."

Dr. Al Muhairi continued: "Despite the repercussions of the COVID-19 pandemic in the world, the UAE has been proactive in supporting the global projects aimed at developing the standard of human life on the planet. This initiative of the Hamdan Foundation is a clear testament to that."

Teacher Statistics

He mentioned that the pre-primary teacher statistics project, an agreement was signed in February 2019 by the Hamdan-UNESCO Fund, and the final results of the project will be extracted in 2021.

He explained that the support for the teacher statistics project in the pre-primary education stage stems from the Foundation's belief that quality in this stage is of great importance to ensure children's learning and development in later stages. Moreover, it strengthens the

effectiveness of the educational system. This stage's priority has been universally recognized as UNESCO enrolled pre-primary education in its 2030 sustainable development plan.

He pointed out that this project's value stems from the fact that teachers are the cornerstone in ensuring the quality of education, yet many of them do not receive adequate training and face many challenges due to the lack of sufficient support and a suitable work environment. These challenges require evidence-backed interventions at the policy level to boost capacity, professionalism, and job stability. However, information on pre-primary teacher training, working conditions, practices, and needs is limited, especially in low- or middle-income countries.

Dr. Al Muhairi expressed the Foundation's pride in the Fund's launch of the statistics project to bridge the data gap by preparing a standard tool for conducting the statistics related to teachers and administrators in this stage. This initiative's results will be useful in the actions to be implemented in the policies aimed at strengthening the capacities of pre-primary education workers and advancing their professional level.

Knowledge Platform

Dr. Al Muhairi stated that the Fund also supported the Knowledge Platform project on teacher policies, practices, and research. The financing agreement was signed in February 2019 by the Hamdan – UNESCO Fund. The platform was officially launched on 5 October 2020 during the ceremony honoring the winners of the 6th edition of the Hamdan-UNESCO Prize, which coincided with International Teacher's Day.

He added: "Knowledge sharing and dissemination, along with collecting information and data, are part of the mission of the International Teacher Team Force (TTF), which is the first spe-



> Financing and sponsoring 3 projects since the Fund's establishment:

- Teacher statistics in pre-primary education
- Knowledge platform on teacher policies, practices, and research
- Hosting 12th Policy Dialogue Forum

> The UAE is a pioneer in supporting global projects to improve human life despite global repercussions of Coronavirus

729

Participants in UNESCO- Hamdan Prize

The Executive Board of UNESCO approved the Hamdan-UNESCO Prize for Teachers Performance Development for a third edition extending 6 years, ending in 2026. Launched in 2008, the Prize succeeded in attracting 729 participants. 17 worth-winning educational institutions were awarded from various countries, including Pakistan, Dominican Republic, Congo, Nepal, South Africa, Venezuela, Belgium, Madagascar, Panama, Malaysia, Cambodia, Chile, Indonesia, United Kingdom, Brazil, Egypt, and Portugal.



cialized international coalition of stakeholders, including national governments, intergovernmental organizations, non-governmental organizations, civil society organizations, international development agencies, and private sector institutions. They all work together to address deficiencies in the quality of education and teachers and meet the goals of sustainable development and education 2030. Due to the Hamdan Foundation's outstanding efforts in supporting education and teachers, it has been a member of the TTF steering committee since

2013. He stated that during its meeting in Togo, the steering committee decided to build a knowledge platform on teachers' policies, practices, and research on the internet, to share knowledge, experience, and expertise about the teaching profession among teachers in all regions. Policies, training courses, reports, standard tools, and best practices will be exchanged through the platform. With the generous sponsorship of the Hamdan – UNESCO Fund, the work on the platform began in 2019, and it was launched in 2020.

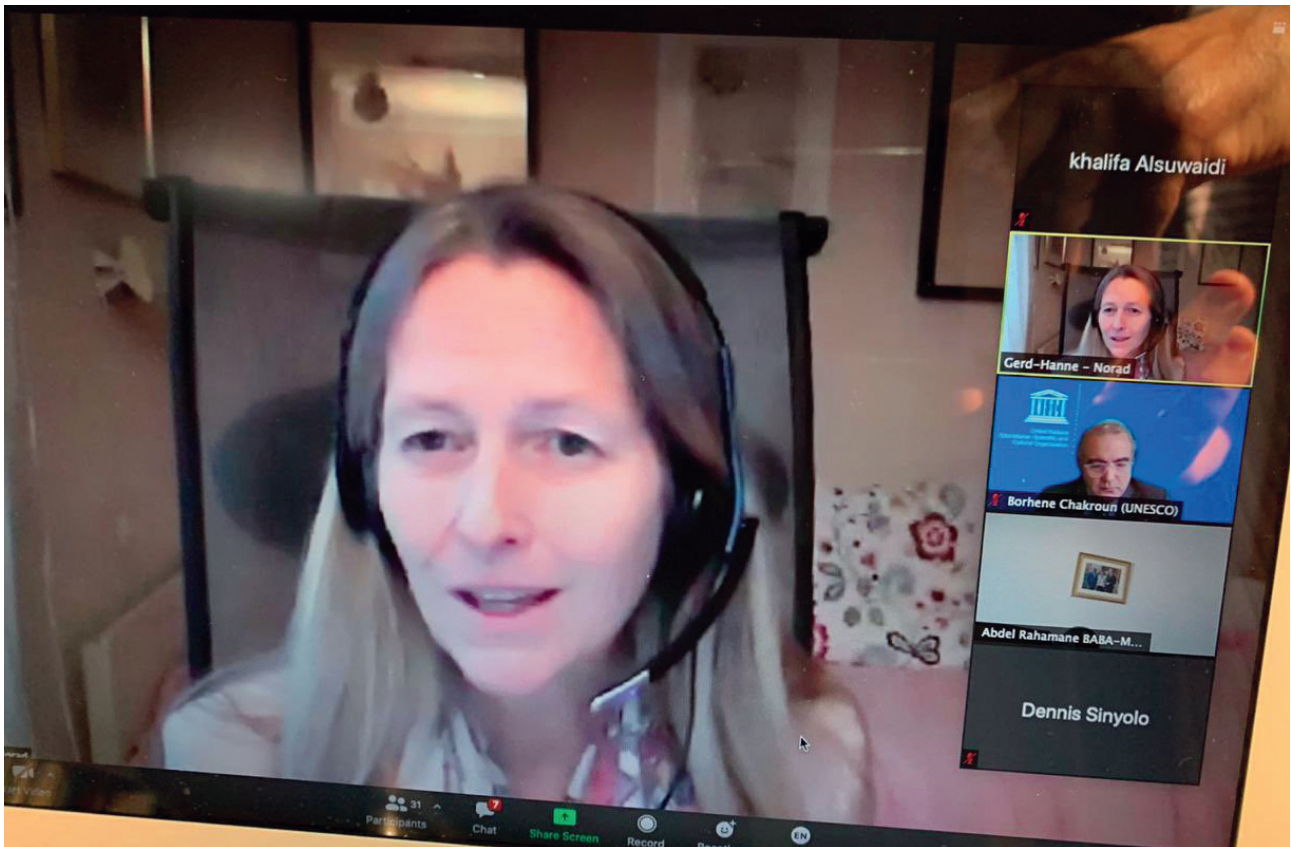
Policy Dialogue

Dr. Al Muhairi pointed out that the Fund also supported hosting the 12th Policy Dialogue Forum. The Hamdan Fund signed the agreement to host the forum in May 2019, following UNESCO's approval of hosting the forum in Dubai in December of the same year under the title "Future Education." He said: "The TTF organized this annual forum to enhance effective communication and cooperation to raise awareness by reviewing teachers' issues and exchanging experiences among UNESCO members

and partners. Discussing the issues critical to achieving the goals of sustainable development and education 2030, the forum witnessed the participation of ministers of education, policymakers, educational sector leaders, teachers, and representatives of international governmental and non-governmental organizations from 70 countries. It contained many international working papers and presentations on best educational practices, workshops, and round tables for education ministers, deans of education colleges, and school principals from various territories."

Hamdan Foundation Supports Activities of UNESCO's Teacher Task Force





Dubai - 'Akhbar Al Tamayoz'

Intending to achieve its objectives in training teachers and curricula development, the Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance continued to support the activities of the UNESCO's International Task Force on Teachers (TTF). Representing the Hamdan Foundation at the TTF meeting that was held online recently, Dr. Khalifa Al Suwaidi, a member of the Foundation's Board of Trustees, stated that the meeting provided an opportunity to review and evaluate the activities that were organized last year and approve the programs and activities of 2021. He added that the meeting was chaired by Professor Jared Han, Head of TTF, who praised the role of the Hamdan Foundation in sup-



porting the electronic platform that was launched for supporting the TTF activities, lauding its role in organizing the agenda of the 12th Edition of the International Dialogue Forum on Policies of the Future of Education which was held in the UAE last December. The TTF expressed its satisfaction with the performance

> **Head of TTF praised Hamdan Foundation's role in supporting the electronic platform**

> **TTF is global alliance of 90 governments and 50 international and regional organizations**

and results of the Hamdan-UNESCO Prize for Teacher Performance Development, which contributes to empowering education. As part of Education 2030, the TTF is a global alliance of more than 90 governments and about 50 international and regional organizations, working together to promote teachers and education issues. The Executive Board of the United Nations Educational, Scientific, and Cultural Organization (UNESCO) approved the Hamdan-UNESCO Prize for Teachers Performance Development for a third edition extending 6 years, ending in 2026. The decision to renew trust was based upon the Prize's performance and its impact on achieving the goals of Education for All, especially those related to teachers' performance in remote societies.

Including 245 Local
and 82 GCC Participations

327

Shortlistees for Central Arbitration in Hamdan Foundation's Awards



Dubai - 'Akhbar Al Tamayoz'

The Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance announced that 327 participants had been nominated for the central arbitration stage for the local and GCC awards in the 23rd session. Among those nominees, 245 participants were shortlisted at the United Arab Emirates level, and 82 ones from the Gulf Cooperation Council (GCC) countries.

The arbitration committee held a virtual meeting attended by the head and general coordinator of the central arbitration committees and the senior administration of the Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance. The meeting tackled the developments

› **Jamal Al Muhairi:**
Excellence is achieved by meeting criteria in skill, knowledge, and behavior

› **Enhancing educational quality contributes to development movement and provides real opportunities to cope with requirements of modernization**

of the central arbitration activities for local and GCC awards, besides theoretical and field arbitration results. The meeting also discussed the coming steps of the current edition of the Foundation's awards, to the final stages and announcement of the winners. Moreover, the candidate lists and the virtual visits mechanism were reviewed.

Positive Atmosphere

The Foundation aims to create a positive atmosphere to serve its objectives of developing educational performance and qualifying cadres to keep pace with the future requirements.

The 241 local participants were distributed as follows: 52 in the Distinguished Student category (grades 3 to 5), 106 (grades 6 to 12), 9 in the

Distinguished University Student, 20 in the Distinguished Teacher, 34 in the Distinguished Educator, 9 in the Distinguished School, 8 in the Distinguished Project, and 7 in the Education-Supporting Institutions category.

The 82 nominees at the regional competitions were divided into 31 participants in the Distinguished Student category, 28 in the Distinguished Teacher, and 23 in the Distinguished School category.

Package of Awards

Dr. Jamal Al Muhairi, Vice Chairman of the Board of Trustees and Secretary-General of the Foundation, said: "The Foundation continues to improve the educational system locally and in the Gulf countries through a package of awards that target the



quality of performance and excellence in all elements of the educational system, as well as parties with a direct relationship, such as families and institutions supporting education.”

He added: “Excellence is achieved through meeting several criteria, including skill, knowledge, and behavior. Enhancing educational quality will certainly contribute to the development movement and provide real opportunities to cope with the challenges and requirements of continuous modernization, which will push the innovative academic solutions to new heights, thus enhancing the competitiveness of education in our societies.”

Extreme Adherence

The Secretary-General of the Hamdan bin Rashid Al

Maktoum Foundation for Distinguished Academic Performance stressed that the smooth processes of registration, participation, preliminary arbitration, and the announcement of the short-listed names for the final arbitration in the local and GCC awards prove the success of the measures taken by the Foundation in light of the precautionary measures imposed by the COVID-19 pandemic.

He added that the Foundation continues extreme adherence to the participants’ and workers’ safety while applying accuracy, transparency, and credibility in the evaluation processes.

Exceptional Experiences

Al Muhairi continued saying: “We look forward to the distinguished elites of the

> **Online meeting to review developments and results of theoretical and field arbitration**

> **The Distinguished Student category tops locally in quantity, at 167 shortlistees**

winners. We are confident that their exceptional ideas, projects, and experiences will contribute to strengthening the education system. We wish the qualified people success and call on everyone to overcome challenges, make an effort, and work hard for a better future, hopefully.”

The Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance allowed online application through its electronic platform *tahkeem.ha.ae*, starting from 1 August 2020 until 22 October 2020. This procedure is part of the Foundation’s keenness to facilitate the registration of individuals and educational institutions, especially in light of the precautionary measures due to the new Coronavirus pandemic outbreak.

Honoring in February Completing Interviews With Nominated Students for Final Stage of “Innovators” Competition

Dubai - ‘Akhbar Al Tamayoz’

The Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance finished conducting interviews with the shortlisted 9 to 12-year-old students for the final stage of the fourth cycle of the “Innovators” competition. The winners will be announced and honored during February.

The candidate students showcased their participations in the presence of the evaluation committee. The idea of Innovators for students from 9 to 12 years old is to attract students who have applicable creative tendencies or passion for innovation.

The competition aims at encouraging students’ innovative thinking, as well as providing the appropriate environment to help them transform their ideas into reality through “FabLab UAE.”

Students share their innovative ideas in this competition through an illustration of the concept. Ideas are evaluat-

ed, and then the unique ones are nominated for the final stage of the competition.

Shortlisted participants must present their ideas during the final stage in front of a specialized committee. Teams will be interviewed remotely using virtual communication platforms. The distinctive ideas will be selected accordingly and then converted into a product through “FabLab UAE.” Furthermore, winning ideas will be marketed, published, and displayed through various platforms and media.

As for the incentives and rewards, 6 winners will be selected to earn a cash reward of AED 5000 plus a certificate of appreciation. In addition, a certificate of disinclination will be awarded to the best 15 unique ideas, with the opportunity to transform the winning and distinguished ideas into practical models and projects through “FabLab UAE,” not to mention promoting the winning and distinctive ideas via various media.







Briefed on the Center's Services
in Innovation and Manufacturing

“Hamdan Giftedness” Hosts Delegation From Tashkeel Center



Dubai - 'Akhbar Al Tamayoz'

The Hamdan bin Rashid Al Maktoum Center for Giftedness and Creativity of the Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance welcomed a delegation from the Tanween team affiliated to the Tashkeel Center in Dubai.

During the visit, the delegation got acquainted with the Hamdan Center for Giftedness and its services to the public in innovation and manufacturing. The Hamdan Center includes the FabLab UAE, which provides tools and knowledge to spread the culture of innovation and digital fabrication using modern digital manufacturing technology.

The delegation listened to an explanation about the Fab-

› **Spreading innovation culture using modern digital manufacturing technology**

› **Establishing community centers that allow use of latest hardware, tools, and software**

Lab UAE project, which aims to create an innovative and manufacturer Emirati generation, prepare an innovation-supporting environment, and integrated infrastructure. This environment is achieved by establishing community centers that allow the use of the latest devices, tools, and software in digital manufacturing for all society segments. The projects' objectives also include directing young minds to digital knowledge, which leads to implanting the nucleus of innovation and opening up broader horizons to transform their ideas into reality.

Creative Expertise

Established in Dubai in 2008, the Tashkeel Center seeks to provide a nurturing environment for the growth of contemporary art and design practice rooted in the UAE. Through multi-disciplinary

studios, workspaces, and galleries located in Nad Al Sheba and Al Fahidi, it enables creative practice, experimentation, and dialogue among practitioners and the wider community.

Tashkeel's range of initiatives includes "Tanween," which takes a selected cohort of emerging UAE-based designers through a nine-month development program to take a product inspired by the surroundings of the UAE from concept to completion.

Tashkeel Center includes many studios that are equipped to suit the needs of artists specializing in visual media. The studio facilities include the digital laboratory, manual printing studios, photography, darkroom, sculpture, 3D design, jewelry making, fine arts, printing on fabrics, and a risograph printer.



Raising Awareness of How to Increase Talents' Motivation During the Pandemic

Hamdan Center for Giftedness Organizes Virtual Workshop for Parents and Teachers of the Gifted



Dubai - 'Akhbar Al Tamayoz'

Working under the umbrella of the Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance, the Hamdan bin Rashid Center for Giftedness and Creativity organized a virtual workshop for parents of gifted students, teachers, and stakeholders. Titled "How to Increase the Motivation of Your Talented Child Amid the Coronavirus Pandemic?" Dr. Fatima Ahmed Al Jasim presented the workshop as a part of the counseling campaigns for talented students' parents.

Dr. Al Jasim emphasized that the family is the key to students' success during distance learning, pointing out that the closure of schools due to the COVID-19 pandemic and the virus's spread had shocked everyone.

Furthermore, she talked about the concept of home-schooling and raised several questions to parents, including: "Did you teach your children?" "Did you enjoy teaching?" and "Do you wish to continue like that?" shedding light on the concepts of anxiety and motivation.

Dr. Al Jasim answered how to enhance the motivation of our talented children in light of the Coronavirus pandemic. She reassured that there are many strategies, none of which is suitable for everyone. None of the strategies would be ideal for an extended period or to be followed during all student

> Students enjoy learning when they have internal, not external motivation

> The family is the key to success of students during distance learning

growth stages, as strategies change frequently.

Furthermore, she shed light on motivation-enhancing strategies, including encouraging challenge, presenting options, self-evaluation, and developing an internal control center.

She stated that motivation has two parts: internal and external. While the external stimulus is represented by degrees and rewards, internal motivation leads to discover knowledge and things and achieve personal satisfaction. Thus, students enjoy learning when they have internal, not external, motivation.



60

Talented Students

Participate in 6 Training Webinars

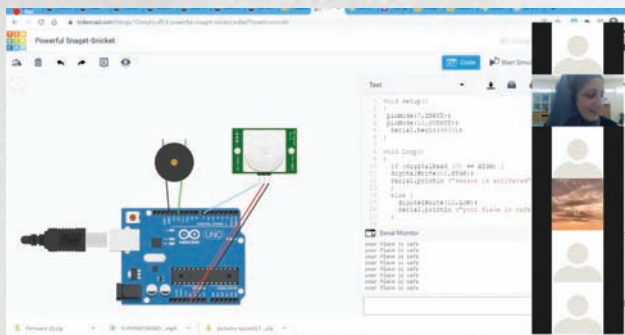


Dubai - 'Akhbar Al Tamayoz'

The Hamdan bin Rashid Al Maktoum Center for Giftedness and Creativity, affiliated with the Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance, provided many training webinars for gifted students in the Center. From 14 to 24 December, more than 60 talented students across the emirates participated, at a rate of 50 training hours.

The training webinars were conducted in cooperation with the Emirates Soil Museum, Dubai Ports (DP World), and Mohammed bin Rashid University of Medicine and Health Sciences at the enrichment level, besides ATLAB and a group of engineers at the basic level.

The program included 6 different webinars. The basic-level webinars included "Design your Game," "Smart



Electronics Experts," and "Artificial Intelligence." The enrichment level included the webinars of "Emirates Soil Museum," "the DP World," and "Mohammed bin Rashid University of Medicine and Health Sciences." The program aimed at providing talented students with the latest scientific technologies in various fields and specializations, in addition to developing the personal, scientific, and leadership as-

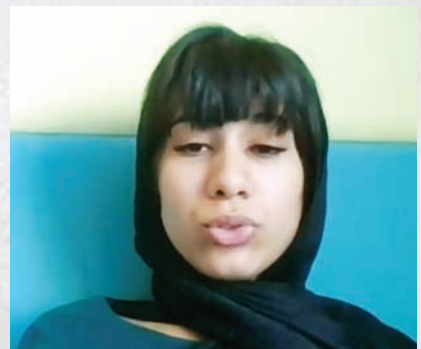
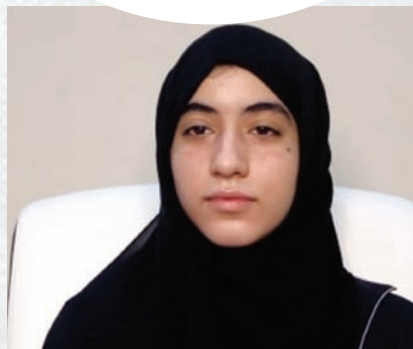
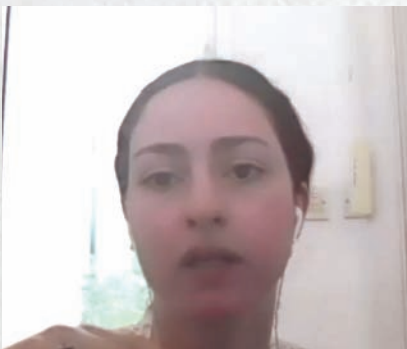
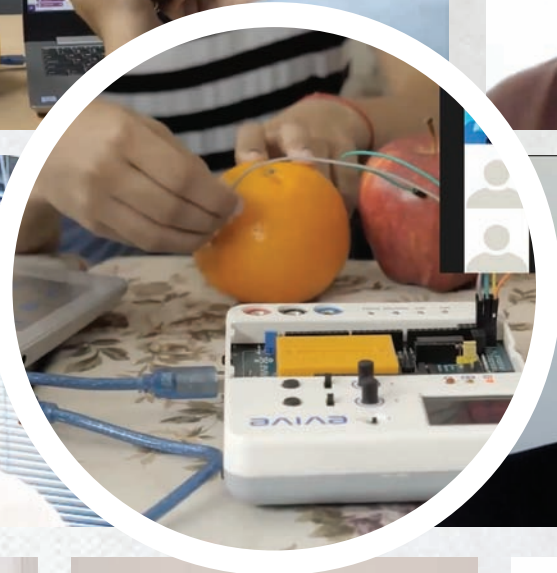
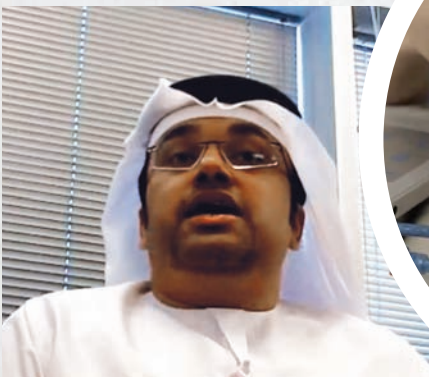
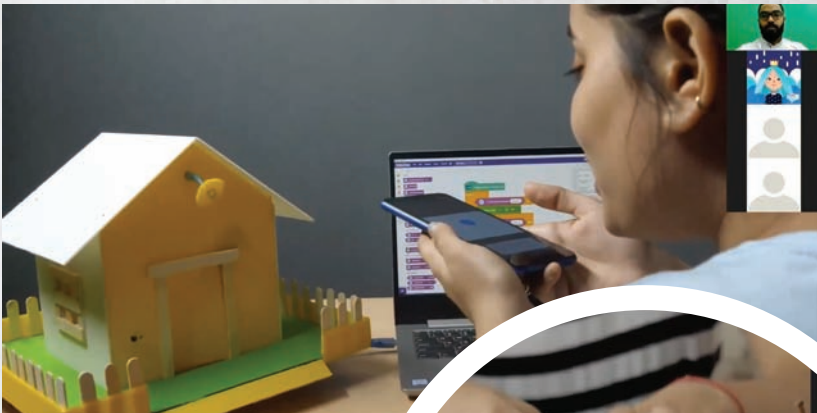
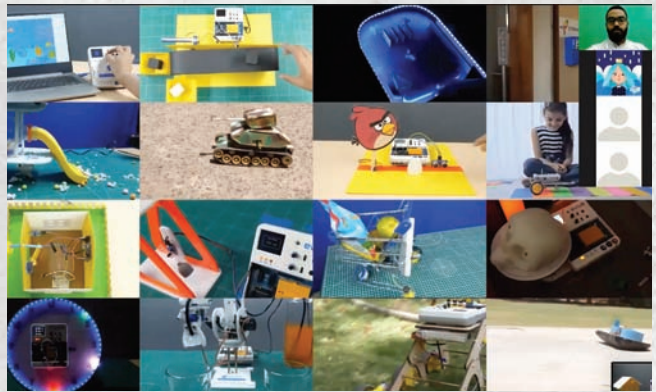
pects of them. The program objectives also included enhancing students' self-learning, creative thinking, and communication skills, using advanced, educational, and virtual platforms for distance learning.

The program also focused on providing students with problem-solving skills. The psychological and social needs of gifted students were met through collective orientation sessions.

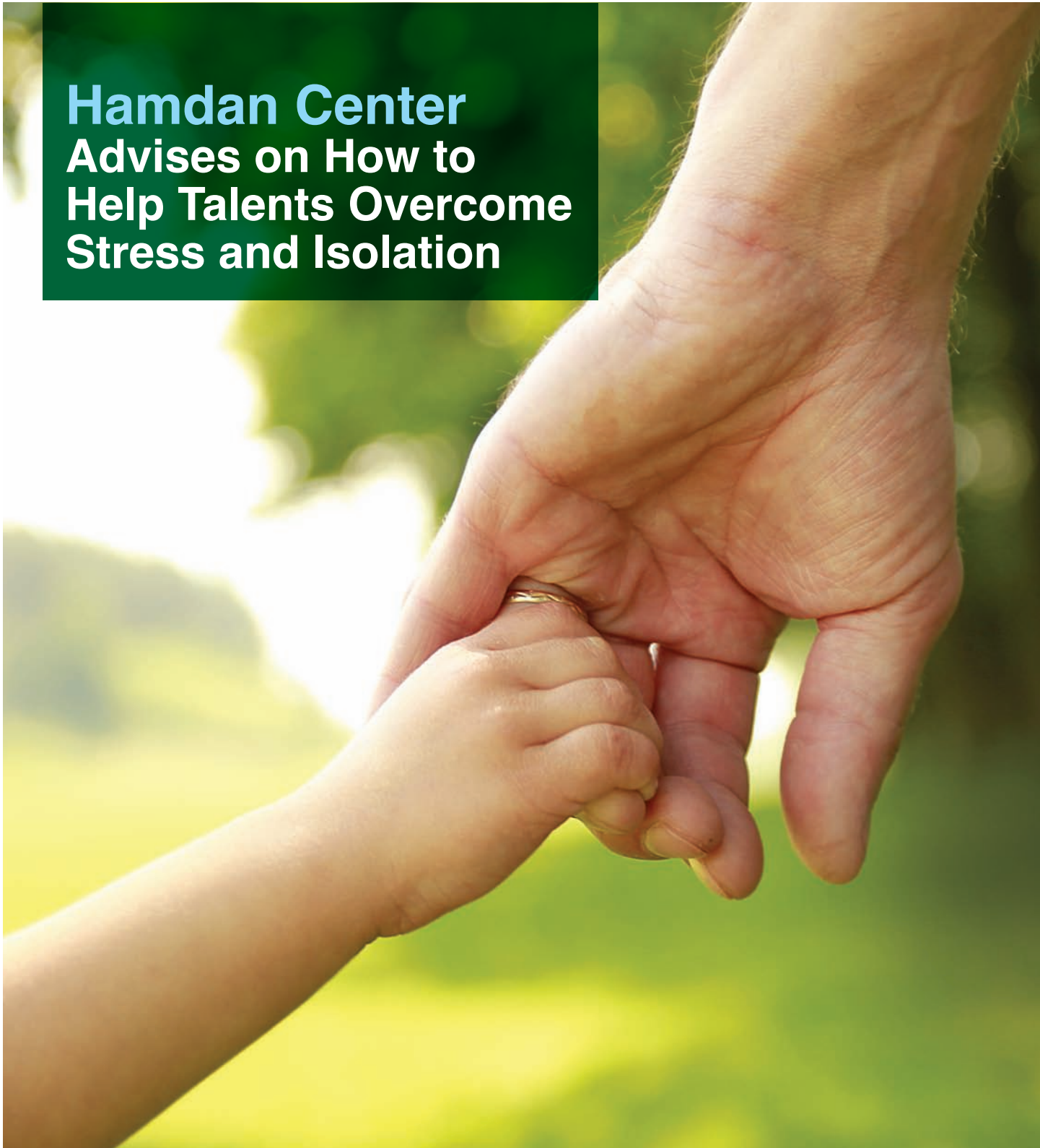
> Providing talented students with latest scientific technologies in various fields

> Developing students' personal, scientific, and leadership aspects

> Enhancing students' self-learning, creative thinking, and problem-solving skills



Hamdan Center Advises on How to Help Talents Overcome Stress and Isolation





Dubai - 'Akhbar Al Tamayoz'

The Hamdan bin Rashid Al Maktoum Center for Giftedness and Creativity of the Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance provided the caretakers of talented students with advice and guidance on how to help their children overcome stress, introversion, and isolation. Through its official account on Twitter, the Center stated that stress plays a vital role in increasing the level of anxiety, tension, and fear of failure among children, which affects their motivation. The term "Stress" denotes a state of instability that a child may go through due to their inability to face and deal with difficult life situations.

Positive Effect

The Center stated that parents should explain to their children that two types of factors cause stress: the first of which occurs due to external factors, such as multitasking and performing more than one activity within a limited timeframe, while the second is linked

› **Stress increases anxiety, tension, and fear of failure among children, which affects their motivation**

› **Isolation has disadvantages, such as being excluded from school activities and teamwork**

to internal factors represented in the feelings of lack of accomplishment. The Center added that stress could have both positive and negative effects. The positive effects may be reflected in the student's increased motivation to accomplish what is required of them, whereas adverse effects drive students to withdraw from the situation and surrender. This differs according to the nature of the individual.

For example, examinations may be regarded as stressful situations to some people, while a normal and easy task for others.

The Center called on the parents to have a discussion with their children regarding the situations that may cause them stress and talk to them about the symptoms that are triggered by those feelings. An excellent way to address the issue is to write down all sorts of stressful situations that the child may face during the week and suggest ways to deal with them.

Different World

The Center also addressed the problem of introversion and isolation, explaining that most talented and gifted students struggle with feelings of belonging to a world different than their own, a concept which many intellectuals struggle with since their ideas and interests differ from most of the people around them. The Center explained that "Isolation and Introversion" are states that a child may go through, driving them to spend most of the time alone. The state of isolation may develop introver-

sion tendencies, which often drives the child to separate from their peers deliberately.

Caretakers should explain to their children that a good believer socializes with other people and is capable of enduring harm; this person is dearer to Allah Almighty than those who choose to separate from other people. Isolation has various disadvantages that could gravely affect the individual's life, such as being excluded from school activities and teamwork, as well as impacting the child's academic achievement and ability to share hobbies and make friendships.

The Center suggested that caretakers encourage children to participate in group activities and develop their social skills by joining sports clubs or doing volunteer work. Another suggestion included asking the child to prepare a social gathering at home and invite friends to participate in family games and activities. The recommendations also included providing help to other peers that suffer from isolation and help them overcome it.



Winning Innovation of Hamdan Award in the 22nd Edition

3rd Eye

Rescues Forgotten Children in Cars



Dubai - Faten Matar

The recurring accidents of forgetting children in closed cars, especially during hot weather, prompted her to think of practical solutions that eliminate this problem. So, she invented the “3rd Eye,” and won the award of the Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance for the Best Scientific Innovation category in the 22nd session. She is Maryam Hasan Rashid Al Ghafri from the Fujairah Primary Education School.

Al Ghafri talked about her innovation, saying: “The 3rd Eye suggests employing a third eye, which guards children in the absence of parents.” She stated that the Hamdan bin Rashid Foundation’s role is a pioneer in supporting innovators, praising its prestigious position in the Emirati society.

She pointed out that the innovation targeted finding a scientific method for solving the problem of forgotten children in cars. When there is a weight on the passenger

seat, and the percentage of carbon dioxide increases, the Arduino Microcontroller realizes the presence of a creature (human or animal) in the closed car without the driver, so the microcontroller activates the alarm system. When activating the buzzer, a loud alarm sound is produced to alert the driver or anyone close to the car; then, the GSM Module sends a text message to the driver to warn them of the issue.

Effective Solutions

Al Ghafri stated that the benefits of innovation lie in the possibility of saving hundreds of forgotten children in vehicles, along with the ability to distinguish between living organisms and inanimate objects by monitoring the level of carbon dioxide (CO₂).

She mentioned several challenges she had faced, including finding an accurate carbon dioxide sensor that is not affected by weather factors, researching various techniques to measure the percentage of gas, then choosing a sensor that works with the appropriate technology.

> **Hamdan Foundation has pioneering role in supporting innovators and prominent position in Emirati society**

> **3rd Eye distinguishes living creatures from inanimate objects by monitoring CO₂ level**

Furthermore, she explained that winning the Hamdan Foundation’s award has raised her spirits, self-confidence, and ability to change through innovation. The tribute added a lot to her faith and certainty in the efficiency and quality of her idea, mainly because the accuracy and comprehensiveness of the Foundation’s standards contributed to the development of her innovation and shaping her future.

Pride and Dignity

She said, “After winning the award, I felt a mixture of joy, pride, and dignity - joy for winning, pride of my innovation, and dignity of myself that can provide the best innovations. A small idea serves a nation.” The innovator Al Ghafri thanked His Highness Sheikh Hamdan bin Rashid Al Maktoum, Deputy Ruler of Dubai and Minister of Finance, for his embrace of creative people and support for innovators. This support opened broad horizons for them to progress, strive to provide the best innovations, and find unique solutions to contemporary problems.