

Accepting Applications
for 26th Cycle of Hamdan
Foundation's Awards until
8 September 2023



AIT Akhbar
AIT Tamayoz
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Headed by Humaid Al Qatami.. **Hamdan Foundation's Board of Trustees** **Follows up the Updates of the 26th Session**

Hamdan
Foundation
Opens
Registration
for the Master
of Educational
Innovation

'Discover Talented
Students' Program
Launched Using
'Hamdan Talent Rubric'
Tools

Future Science Challenge

252

GCC Teams
Provide Innovative
Solutions towards
a Smarter Future



Emirati Student
Mohamed Al Ali
Takes Part in the
European Geosciences
Union General Assembly
in Vienna

May 2023

Issue 149



Cover Story

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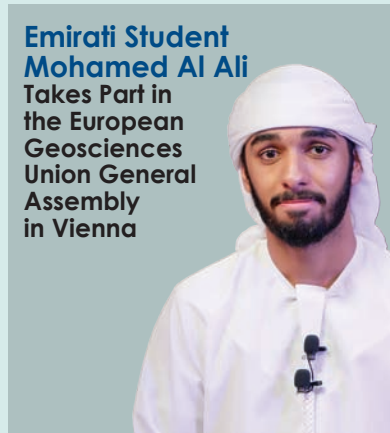
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**Abdul Noor Ahmed
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The Foundation and Zayed's Vision

- The Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance is preparing to the 26th cycle with more awareness in evaluating its gains from programs and projects aimed at supporting local, regional, and international education. This evaluation covers the Foundation's efforts to enhance educational quality and develop the performance of the educational system. It also includes the effect of its contribution to supporting the UAE's efforts to consolidate its position on the world map as one of the most prominent and effective countries in supporting education to achieve the UN goals.
- Regarding incentive awards, the Foundation continues its commitment to providing specialized knowledge, professional care, and continuous support to those targeted in the educational field. It sees the results and implications of recognizing and rewarding the commendable efforts to develop educational performance in the country. Furthermore, the international projects launched and managed by the Foundation are getting more appreciation for their multiple benefits, such as the mentorship program for gifted students around the world and the EFQM-Hamdan Education Model to measure the quality of educational institutions globally. These two projects, according to experts, are expected to achieve excellent performance results that will be reflected in the progress of the UAE's education position globally as well as the consolidation of its long-term presence regarding the development of international education. The results will be particularly apparent in the most important and largest international institution leading the educational movement in the world and influencing its policies, which is UNESCO.
- In the future, the Foundation aims to enhance the efficiency of its educational and knowledge services and expand their scope in the local community and internationally. The Foundation will also benefit from its prominent position in academic excellence and giftedness to promote its presence in the educational scene globally. This approach, which serves the UAE's strategy, must be accompanied by national mobilization and awareness campaigns in every home, school, and classroom. It is our responsibility to build a talented, creative, innovative, and pioneering generation that possesses all the skills necessary to perform its duties towards the country, the nation, and the world.
- It is the vision of the UAE Founder, Sheikh Zayed, may his soul rest in peace.



Headed by Humaid Al Qatami

Hamdan Foundation's Board of Trustees Follows up the Updates of the 26th Session and the Most Prominent Local and International Projects

- ◆ *Reviewing the Foundation's plans to enhance the efficiency of educational and knowledge services*
- ◆ *Focusing on supporting the projects and programs' quality locally and globally*





Dubai - 'Akhbar Al Tamayoz'

The Board of Trustees of the Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance followed up the updates of the twenty-sixth session of the Foundation's awards. During a meeting headed by its chairman, His Excellency Humaid Mohammed Al Qatami, the Board was briefed on the most prominent local and international projects.

The Board also discussed the Foundation's directions and future plans related to focusing on supporting the quality of its projects and programs, along with their results' impact on enhancing the reputation of the UAE, improving

the performance of academic institutions, and the interaction of the local and global community. Moreover, the Board reviewed the ongoing support of education in the UAE and how to provide innovative and effective solutions to develop academic performance and foster the gifted.

Efficiency of Services

In addition, the meeting reviewed the Foundation's plans to enhance the efficiency of its educational and knowledge services in the local and international community and to expand the scope of benefiting from educational excellence and talent programs. This would enhance the Foundation's global presence in a

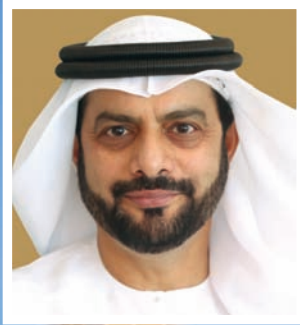
way that consolidates its leading position, maximizes the benefit from its programs, and achieves its goals of building a talented, creative, innovative, and pioneering generation that possesses the skills of the future.

The meeting was attended by: His Excellency Dr. Jamal Mohammad Al Mehairi, Vice Chairman of the Board of Trustees; His Excellency Dr. Khalifa Ali Al Suwaidi, Secretary General of the Foundation; and members of the Board of Trustees: His Excellency Dr. Ahmed Eid Al Mansoori; His Excellency Essa Al Hajj Al Madoor; His Excellency Abdullah Saeed Belyouha; and His Excellency Sulaiman Abdul Khaliq Al Ansari, CEO of the Foundation.





Through the Foundation's Website Accepting Applications for 26th Cycle of Hamdan Foundation's Awards until 8 September 2023



• **Khalifa Al Suwaidi:**

Hamdan Foundation made significant contributions to supporting and promoting education through quality programs and fostering talents

- ◆ *Applicants meeting the conditions are encouraged to submit their files to win the awards and highlight their innovative projects*



Dubai - 'Akhbar Al Tamayoz'

The Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance continues accepting applications for the 26th cycle of its annual local awards until 8 September 2023. The awards include six categories: the Distinguished School, Distinguished Teacher, Distinguished Educator, Distinguished University Student, Distinguished Student, and Education-Supporter Institutions awards. The Foundation's awards, which were launched by the late Sheikh Hamdan bin Rashid Al Maktoum, reflect his vision of the importance of educational quality in the development of nations and achieving sustainable growth and aim to support quality pathways in the education sector and encourage excellence and talent.

Pioneering Journey

His Excellency Dr. Khalifa Al Suwaidi, Secretary General of the Foundation, said, "We are pleased to announce the opening of nominations for the Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance's local awards in its 26th cycle, which, over the years, has reflected the vision and goals of the Foundation and its pioneering journey, and has made significant contributions to supporting and promoting education through quality programs. It highlights talented individuals, encourages excellence, fosters a competitive spirit, and honors and sponsors outstanding individuals."

Dr. Khalifa Al Suwaidi encouraged all eligible students, academics, and educational institutions to apply for the awards by sharing their innovative projects to win the

awards, as well as highlighting their ideas and innovative projects and turning them into tangible reality. Their projects may benefit people and be harnessed for the benefit of the wider educational community. The awards witnessed an expansion in the scope of regional and international services and partnerships. Cooperation includes international organizations such as UNESCO, ICESCO, ALECSO, FabLab, the World Council for Gifted and Talented Children, and the International Research Association for Talent Development and Excellence. The awards have gained worldwide recognition and cemented their position as a prominent accolade in the global education sector.





Receiving Applications for GCC Competitions



Abdulrahman Al-Asimi:
We seek to strengthen the cooperation spirit in education and the exchange of experiences and knowledge



Khalifa Al Suwaidi:
The awards have proven their pivotal importance and essential role in discovering and honoring the distinguished





Dubai - 'Akhbar Al Tamayoz'

The Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance announced the opening of application for its 26th edition of the awards at the Gulf Cooperation Council (GCC) states level through its website until 8 September 2023.

In cooperation with the Arab Bureau of Education for the Gulf States (ABEGS), the Foundation's award categories at the GCC level included the Distinguished School Award (100,000 dirhams), for schools whose students have distinguished and pioneering academic and behavioral achievements at the GCC and international levels. The Distinguished Teacher Award (60,000 dirhams) goes to teachers who exceed the basic level of competencies to a high level of distinguished and impressive competencies. The Distinguished Student Award (30,000 dirhams) includes academic and non-academic fields.

Participation in other awards is also open for GCC countries, including the Hamdan-ALECSO Award for Distinguished Educational Research, the Applied Research Global Award of Gifted Education, and the School Global Award Initiative of Gifted Education.

Best Practices

His Excellency Dr. Abdulrahman Al-Asimi, Director General of ABEGS, praised the launch of the 26th edition of the Foundation's awards, which

77 Participants

The Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance Awards in its 25th edition at the GCC level witnessed a great turnout, as it received the participation of 77 candidates, of whom 14 won. Also, 37 public school students participated, including 20 students in the academic field, and 17 in the non-academic field.

aims to shed light on the distinguished institutions from the winning schools, honor distinguished teachers, benefit from their expertise, apply best practices and disseminate them, and discover distinguished students at the level of Gulf countries.

His Excellency added, "Through these awards, we seek to enhance the spirit of cooperation in the education sector in all GCC states and exchange experiences and knowledge among members of the education system, teachers, and students."

Pivotal Importance

His Excellency Dr. Khalifa Al Suwaidi, Secretary General of the Hamdan Foundation, said, "We are pleased to announce the opening of nominations for the Foundation's awards in its 26th edition at the GCC

level in its various categories."

His Excellency added, "Over the years, since their launch by the late Sheikh Hamdan bin Rashid Al Maktoum (may his soul rest in peace), these awards have proven their pivotal importance and essential role in discovering and highlighting the distinguished students, teachers, and institutions. They honor those distinguished, benefiting from their contributions, and supporting them in their innovations and creations, so they can participate with their work and ideas in the most prominent international forums. All of this is in line with the vision and goals of the UAE leadership that seeks to support innovators and distinguished people in all fields, as they represent the scientists of the future, which enhances the position of UAE as a center for creativity, innovation, and technology."

He continued: "We look forward to greater participation this year, and we encourage all eligible and those interested to submit their contributions to win the awards, as well as highlighting their projects and turning them into a tangible reality and harnessing them for the benefit of the community."

Al Suwaidi concluded his speech, by praising the bilateral cooperation with ABEGS in supporting and empowering programs and projects that would develop education in member states, spread a culture of educational excellence, and share best educational practices in accordance with the highest international quality standards.



**Entries for the Hamdan-ALECSO Award
for Distinguished Educational Research
are Open until 4 September 2023**

Dubai - 'Akhbar Al Tamayoz'

The Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance and the Arab League Educational, Cultural, and Scientific Organization (ALECSO), started receiving entries for the Hamdan-ALECSO Award for Distinguished Educational Research from educational researchers in all parts of the Arab world. Research entries are being accepted from 14 April to 4 September 2023.

The award aims to encourage educational researchers from Arab countries and motivate them to make significant accomplishments that serve the educational process, introduce successful educational practices and disseminate them, and enrich the academic field with these successful model experiences.

The Hamdan-ALECSO Award targets all educational researchers working in the field, including teachers, school principals, social and psychological specialists, and university professors, individually or institutionally.

For participation, the applicant can submit electronically, by visiting the award's website, reviewing the application conditions, and uploading the required documents.

Experiences and Practices

His Excellency Dr. Khalifa Al Suwaidi, Secretary-General of the Foundation, expressed his happiness at the commencement of submissions for participation in the Hamdan-ALECSO Award for Distinguished Educational Research, which was launched by the late Sheikh Hamdan bin Rashid Al Maktoum (may his soul rest in peace). This award is a testament to his vision and commitment to advancing the education sector through developing the performance of teachers, supporting them in preparing research and studies that reflect their experiences and practices, and thus sharing them with the education sector. He stressed that the award targets workers in the educational field in all Arab countries, to provide them with an opportunity to submit their research and contributions to developing the educational process in the Arab world, highlighting successful experiences, disseminating them, and benefiting from them in achieving quality and excellence in the education sector.

Al Suwaidi welcomed all those interested in applying for the award and submitting their research in the educational field, to win the award and benefit from their studies and research in developing educational work, which



US\$ 25,000

The award winner receives a cash prize of US\$ 25,000. The Hamdan Foundation publishes winning and distinguished research in a peer-reviewed scientific journal and the Arab Journal of Education, which is published by ALECSO. It is a peer-reviewed scientific journal that publishes a summary of award-winning and distinguished research.

◆ **The award aims to encourage educational researchers and motivate them to make significant accomplishments**

◆ **Khalifa Al Suwaidi: The award provides an opportunity for researchers to highlight and disseminate their successful experiences**

◆ **Mohamed Ould Amar: In previous years, the award received wide participation addressing a variety of significant concerns in education**

is considered the fundamental pillar for the advancement and excellence of nations in all other fields.

Pivotal Role

His Excellency Dr. Mohamed Ould Amar, Director-General of ALECSO, confirmed that the award has been successful in highlighting the pivotal role that research plays in achieving educational quality through its many stages by drawing attention to research that has enhanced the Arab library.

He stated that in previous years, the award received wide participation from several Arab countries, addressing a variety of significant concerns in the field of education.

He added that this year they anticipate a larger participation of researchers and those with an interest in educational research in order to advance the educational system in the Arab world and help the countries of the region develop and advance while achieving sustainable development.





Dedicated to Students from Grades 4 to 12 in Public and Private Schools

‘Discover Talented Students’ Program Launched Using ‘Hamdan Talent Rubric’ Tools

Dubai - ‘Akhbar Al Tamayoz’

The Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance has launched ‘Discover Talented Students’ program at the Hamdan bin Rashid Al Maktoum Centre for Giftedness and Innovation.

Targeting students from grades 4 to 12 in both public and private schools across the UAE, the program aims to discover and support talented students, using a set of advanced and standardized scientific tools known as ‘Hamdan Talent Rubric’.

Students are nominated for the program through two mechanisms: self-nomination, where the student or their guardian fills out their information on the program’s website, or collective nomination in coordination with schools and institutions.





Integrated System

The mechanism applied for identifying gifted students uses an integrated system, starting from the nomination process until gifted students are integrated into programs appropriate to their abilities.

The evaluation methodology adopted in the rubric is consistent with modern standards, and depends on measuring a set of mental skills and special abilities in gifted students. If a student passes the rubric, they will be able to participate in multiple gifted programs, which include technology, science, mathematics, engineering, etc., according to the Center's applied conditions and standards.

Leadership

His Excellency Dr. Khalifa Al Suwaidi, Secretary General of the Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance, said, "The new program uses the (Hamdan Talent Rubric), which is the first scientific tool to discover talented students in the country. The program stems from the Foundation's vision and continuous efforts to achieve leadership in discovering talented students, fostering them, and involving them in programs that suit their scientific abilities and skills.

"Through the program, talented students are identified and supported by determining the type and level of their talents to cater to their needs and

provide suitable educational services for them. This is achieved by applying a set of the latest standards to identify the talents and skills of the candidates, in preparation for their acceptance into the center's programs. This aligns with our wise leadership's vision to support the distinguished students, nurture talents, develop their innovations in all fields, and prepare them to bear future responsibilities in elevating the country's status and contributing to supporting the UAE's position as a hub for creativity, innovation, science, and technology."

Dr. Al Suwaidi added, "This program aims to discover the largest number of talented students in a wide range of fields to ensure a suitable fit between the capabilities of talented students and the quality of programs that are appropriate for them. In addition, the program intends to spread awareness among members of the community about the latest methods and practices used in detecting talented students." align

Dr. Al Suwaidi concluded by stating that 'Hamdan Talent Rubric' represents one of the best and most advanced Arab assessment tools recognized globally. It has been developed by a specialized scientific team from prestigious international universities in Germany and Saudi Arabia, according to the latest scientific theories and best global practices in the field of talents.

◆ ***Khalifa Al Suwaidi:
We seek to discover
the largest number of
talented students in
several fields***

◆ ***The applied
mechanism for
discovering gifted
students uses a
comprehensive and
integrated system***

◆ ***Application to the
program can be
either by student/
parent or collectively
in coordination
with schools and
institutions***

◆ ***The program aims
to support the
UAE's position as a
center for creativity,
innovation, science,
and technology***



Affiliated with Hamdan Giftedness Center's Mentorship Program

Emirati Student Mohamed Al Ali Takes Part in the European Geosciences Union General Assembly in Vienna

♦ ***Khalifa Al Suwaidi:***

The scientific paper prepared by our student is important in the series of research being conducted by scientists about Mars

♦ ***Mohamed Marwan Al Ali:***

I presented my scientific research on investigating seasonal variations in hydrogen outflow from Mars

♦ *Since joining the mentorship program, the student achieved numerous accomplishments and completed 4 levels*

♦ *The conference attracted worldwide participants as it is ideal platform for sharing scientific knowledge*



Dubai - 'Akhbar Al Tamayoz'

Emirati student Mohamed Marwan Al Ali, who is affiliated with the Hamdan Center for Giftedness and Innovation's mentorship program, has participated in the European Geosciences Union (EGU) General Assembly in Vienna 24-28 April. The program is implemented by the Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance for talented students in collaboration with the Mohammed bin Rashid Space Center. Al Ali presented his scientific research on investigating seasonal variations in hydrogen outflow from Mars at the conference by providing a visual representation of his research results, followed by an interactive discussion with other specialists attending the conference.

Accomplishments

Since joining the mentorship program, Mohamed Al Ali has achieved numerous accomplishments and completed all program levels. In 2019, he completed the first level of the program (Explorer) with the Mohammed bin Rashid Space Centre, which provides students with the necessary research skills, a solid background in space sciences, and the required skills for communication and presentation.

Al Ali also completed the second level (Researcher) in 2020, which included building a scientific space mission, during which 8 scientific meetings were held and 5 scientific research projects/presentations about Mars were prepared.

Moreover, he completed the third level in 2021, which included data analysis and space studies, programming and scientific research steps, and holding scientific meetings.

In 2022, he completed the fourth level (Future Scientist), where he prepared a research paper and presented it at a conference. Scientific meetings were also held during this period, which included numerous discussions and work with specialists at the Mohammed bin Rashid Space Centre to provide improvement feedback.

Tireless Efforts

Dr. Khalifa Al Suwaidi, Secretary General of the Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance, said, "The participation of our student, Mohamed Marwan Al Ali, in the EGU in Vienna aligns with the vision of our wise leadership and their tireless efforts to foster and enhance the cognitive capacities and skills of talented individuals, promote their innovation and creativity, and thus contribute to enhancing the UAE's position among leading countries in the fields of space sciences, technology, and other vital areas."

Dr. Khalifa added: "This scientific participation will provide the talented student with the opportunity to attend international meetings, communicate with experts and researchers, acquire more knowledge and experience, and exchange ideas and information with participants from all over the world, especially since the student is one of the prominent members of the mentorship program launched by the Foundation. This program attracted many prestigious institutions, including the Mohammed bin Rashid Space Centre, with the aim of providing specialized care for talented students and acquiring self-research skills under the supervision of distinguished experts in the field, to achieve the best investment in the abilities of talented students."

Investing in Abilities

His Excellency stated that the student's participation in this great international event also reflects the importance of the mentoring program in empowering gifted students to invest their exceptional abilities in enriching all scientific fields.

He explained that the scientific paper of the student has great importance among the other scientific research about Mars, especially since it is characterized by its novelty as it observes, analyzes, and compares data from the Hope Probe sent by the Mohammed bin Rashid Space Center to Mars. And he wishes that this Emirati research would be one of the positive contributions to global studies of Mars.

Investigation

In his comment on his participation in the EGU Conference, Mohamed Marwan Al Ali said, "I have participated in session PS4.4 under the title (Scientific Results of the UAE's First Mars Mission Expedition), where I presented my scientific research on investigating seasonal variations in hydrogen flux and its release from Mars derived from a suitable model for Lyman Alpha emissions using the Emirates Ultraviolet Spectrometer (EMUS) according to the Emirates Mars Mission (EMM) project."

It is worth noting that the EGU is an international organization dedicated to promoting and facilitating the study of Earth, planetary, and space sciences.

The General Assembly is considered the largest meeting for Earth sciences in Europe, attracting scientists from a diverse range of disciplines to present their latest research results and discuss current and future trends in the field.

In 2023, the EGU General Assembly was held in Vienna to provide an opportunity for geoscientists to communicate, collaborate, exchange ideas, and present their latest findings through a variety of posters, presentations, and exhibitions. The conference attracted many participants from around the world, making it an ideal platform for scientific knowledge exchange and advancement in the field of geoscience.





In the 2nd Cycle of the Future Science Challenge Competition

252 GCC Teams Provide Innovative Solutions towards a Smarter Future



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, celebrated the winners of the Future Science Challenge competition in its second season. More than 630 students from 252 teams participated in projects that provided creative solutions and innovative ideas that indicate a smart future compatible with artificial intelligence (AI) and the Internet of Things (IoT).

The Future Science Challenge competition aims to promote learning the principles of AI and IoT by focusing on multi-disciplinary learning methods for talented and outstanding students in science and technology.

The competition aims to inspire young people to acquire new skills, share their visions and knowledge with their community, in order to achieve their aspirations for innovation, make a positive impact in their societies, and chart the future of creativity and innovation.

The competition included 5 prizes for each age group (Junior category - Senior category), in addition to the prize of the jury, which was won by two teams from Kuwait and Oman.

The theme of the second cycle was 'Smart Future' and included various categories and fields such as energy, healthcare, smart homes, smart cities, industry, and others. The award categories also included the 'Future Science Challenge', the 'Best Designer', the 'Best Innovator', the 'Best Engineer', and the 'Best Presenter'.

The award saw a record-breaking season with 308 teams registered on the competition platform and 252 teams were admitted, including 630 students. 91 teams (236 students) from the United Arab Emirates and 100 teams (251 students) from the Kingdom of Saudi Arabia registered. In addition to the 23 teams (60 students) from the Kingdom of Bahrain, there were 26 teams (55 students) from Qatar, 10 teams (21 students) from the Sultanate of Oman, and 2 teams (6 students) from the State of Kuwait. They all exhibited considerable works and projects.

Great Models

During the ceremony announcing



◆ **Humaid Al Qatami:**
The competition highlighted the students' cognitive awareness, scientific skills, and superior performance that reflects a high level of education

◆ **Khalifa Al Suwaidi:**
The competition results reflect an advanced educational awareness of data and developments in various scientific fields

the winners, His Excellency Humaid Mohammed Al Qatami, Chairman of the Board of Trustees of the Foundation, said, "The Future Science Challenge competition has achieved its goals in highlighting great models of students of the Gulf Cooperation Council countries and highlighted their cognitive awareness, scientific skills, and superior performance, which reflects a high level of education."

His Excellency added: "The results of the competition expressed a source of satisfaction for us at the Hamdan Foundation, which follows the directives of its Supreme President, Sheikh Rashid bin Hamdan Al Maktoum, for holding these scientific competitions at the Gulf States level. These contests highlight the students' creative potential. They are part of our vision to achieve the fundamental goals of this institution, which was founded by the late Sheikh Hamdan bin Rashid Al Maktoum, to contribute to empowering education and supporting students and all of the educational system so that education can contribute effectively to prosperity and sustainable human development."

Efforts

In his comment on the competition, His Excellency Dr. Khalifa Al Suwaidi, Secretary General of the Foundation, said, "It is our pleasure at the Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance to organize this competition, which comes within the framework of efforts to develop and enhance the quality of



The Foundation News

education, nurture the talented and the gifted, and promote learning in the fields of AI and IoT. It also aims to link technology with the social aspect through modern technologies and prepare students for the future, especially as AI has entered many vital fields such as environmental sustainability, education, business, sciences, medicine, and many more. We are confident that this competition will play a role in supporting outstanding students and preparing them for future professions.”

HE Al Suwaidi also added that the results of the competition, in which many talented individuals from GCC countries won in their categories, reflect an advanced educational awareness of the data and developments in various scientific fields.

HE Dr. Al Suwaidi said in his conclusion, “The ‘Future Science Challenge’ succeeded in promoting learning the principles of AI and IoT by focusing on multi-disciplinary learning methodologies for gifted and outstanding students in various fields of science and technology. Students presented and shared the stages of developing their projects with their colleagues. Through the virtual platform, students have learned about the most recent technologies, the fundamentals of AI, smart boards, IoT technology, and how to design smart projects.”

Junior Category

Jazanline team from Saudi Arabia won the prize for ‘Best Engineer’ for presenting a unique and integrated design for a city inspired by the future city of The Line in Saudi Arabia, as it relies on AI, robots, and the IoT in providing services, such as safe entry to homes, an intelligent system for security and safety, safe

waste removal, an intelligent medical ambulance system, an automatic irrigation system, and an intelligent transportation system.

Stem Challenger team from Saudi Arabia won the prize for ‘Best Engineer’. The team included the supervisor Samer Issa Mohammed and the students: Abdulaziz Salman Al Hudhaif, Faisal Abdullah Al Rashedan, and Tamim Nasser Saleh Al Qafari.

The team designed and built a unique and innovative concept that autonomously waters plants and feeds pets based on their condition using machine learning and AI methods.

The Science Club team from Qatar won the ‘Best Innovator’ prize. The team included the supervisor Mohammed Abdel Fattah Ali, and two students: Sarah Faisal Dahim Al Dosari and Mira Youssef Khalifa Al Kaabi.

The team developed a smart shoe that allows parents to monitor their children’s location using IoT technology and learn about their health conditions, such as their heartbeat and temperature. The team also creatively integrates wireless charging technology with the smart shoe.

From the UAE, the Safe Shield team included the supervisor Abdul Hadi Ahmad Ali, and the students: Saif Ahmad Saif Al Dhanhani, Suhail Adel Ali Al Dhanhani, and Ali Mustafa Ali Al Zeyoudi. They got the ‘Best Presenter’ prize for presenting an automated system based on AI to assist firemen put out fires as rapidly as possible. The presentation stood

out for its innovative approach to presenting the project.

The Quick Fix Mechanics team from Saudi Arabia won the title ‘Future Science Challenge Champion’ for the Junior category. The team included the supervisor Elaf Abdullah Abdel Aziz Abunayyan, and two students: Makki Mohammed Zakry and Amin Ayman Sejini.

The team excelled in fulfilling all of the conditions of the competition, including the ability to design, innovative thinking, programming, technology, electronics, and presentation and communication skills. The project is an innovation that acts as a sign language translator for people of determination using AI and machine learning techniques.

Despite their young age, they could develop their programming and innovative skills in this field.



Senior Category

In the senior category, the Qatatech2022 team, from Qatar, won the ‘Best Designer Award’. The team included the supervisor Ahmed Mohammed Abdel Salam, and two students: Jasem Mohammed Al Yafei and Hamad Naser Al Yafei. They built an intelligent system for monitoring and securing beaches in Arab Gulf Countries. The system





- ◆ *The competition included 5 prizes in each of its two categories: Junior and Senior, in addition to the jury prize*
- ◆ *The projects provided innovative ideas that indicate a smart future compatible with AI & IoT*
- ◆ *Inspiring youth to acquire new skills and share their visions and knowledge with their community to achieve their innovations*

consists of three smart devices connected to the IoT, including a robot boat, a smart beach tower, and a close monitoring device for the beach. These components provide an extra level of safety level for the beach visitors.

The Planet Technology team from Saudi Arabia designed, built, and programmed the 'Ambulance Assistant' innovation and won the prize for 'Best Engineer'. This system aids the ambulance team in locating the closest available bed by analyzing images using AI from surveillance cameras in emergency rooms. The team included the supervisor Mohammed Dashan Mohammed Al Qahtani, and the students: Jihad Bakhit Al Juhani, Yousef Mohammed Al Faqih, and Abdulrahman Fahd Al Duraibi.

The Safety team from the UAE got the 'Best Innovator' award for their system that uses AI to shorten the time parents must wait to pick up their children from school by identifying and connecting their car's license plates to the student database at the school. The team included the supervisor Charbel Najjar, and two students: Aida Salem Al Rumaithi and Jumana Ali Al Aidarous.

The Smart Home team from Bahrain won the prize for 'Best Presenter' for demonstrating how to design and implement a smart home that is run by IoT technology. They did this by presenting the project's components in a well-organized manner, and how each component was created and programmed before the project took on its final form. The team included the

9 Sponsors of Talent in Gulf Countries Nominated Contestants

The participating students were among many outstanding pupils who were interested in the domains of AI and IoT, and were nominated by 9 sponsors of talent in Gulf countries, which are Emirates Schools Establishment, Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance, and Sharjah Education Center from the UAE; Ministry of Education from Kingdom of Bahrain; Ministry of Education and the King Abdul Aziz and His Companions Foundation for Giftedness and Creativity from the Kingdom of Saudi Arabia; in addition to Ministry of Education from Qatar; and Sabah Al-Ahmad Center for Giftedness and Creativity from Kuwait and; Ministry of Education of the Sultanate of Oman.

It is noteworthy that the competition focuses on promoting innovation in the fields of science, technology, and education, to inspire young people to apply this knowledge to solve practical problems through exciting competitions and interesting challenges that stimulate mental abilities.

supervisor Mohammed Mahdi Hasan Ahmad, and the students: Hamed Aqil Jassim, Ahmad Nayef Mohammed, and Ammar Ahmad Ali.

The Pro Star team from Qatar was declared the 'Future Science Challenge Champion' under the Senior category. The team excelled in fulfilling all of the conditions of the competition, including the ability to design, innovative thinking, programming, technology, electronics, and presentation and communication skills. Their project includes an artificial intelligence-powered smart evacuation system for future buildings that can identify the presence of a fire and deliver statistical reports of the population of each building to security and safety personnel by examining surveillance camera photos. The team included the supervisor Ahmad Adel Tbeishat, and two students: Badr Abdulrahman Saleh Ahmad Al Zaman and Abdulrahman Fahd Al Haidous.

Jury Award

The Jury Award in the second season of the Future Science Challenge competition went to the 'Students Serving the Country' team from Oman, which included the supervisor: Badria bint Saeed bin Salem Al Muqbaliya, and two students: Hind bint Abdullah Al Jahuriyya and Maitha bint Muhammed Al Kaabiyya. It was also won by the 'Talent Academy' team from Kuwait, which included the supervisor: Ahmad Mohammed Al Kasour, and the students: Adnan Mansour Al Ateeqi, Abdulwahhab Khaled Al Mazyad, and Badr Nasser Al Khayat.



In Cooperation with the United Arab Emirates University
for the Academic Year 2023-2024

Hamdan Foundation Opens Registration for the Master of Educational Innovation

- ◆ *The program is a valuable initiative to provide the educational field with teachers and leaders in innovation*
- ◆ *Students take courses on AI applications in education and smart classes*



Dubai - 'Akhbar Al Tamayoz'

The Hamdan bin Rashid Al Maktoum Foundation for Distinguished Academic Performance has announced the opening of registration for the Master of Educational Innovation Program in cooperation with the United Arab Emirates University for the academic year 2023-2024.

As a fruit of collaboration between the Foundation and the UAE University, represented by the College of Education, this academic program aims to promote innovation in the education system.

It aligns with the Foundation's efforts to promote the culture of innovation in the educational system in the UAE, as it is one of the valuable initiatives

aimed at providing the educational field with teachers and leaders in the field of educational innovation.

Students in this program take courses on AI applications in education, smart classrooms, school management as learning societies, and applying the latest leadership methods in schools. The program has been reviewed by international experts.

The Hamdan Foundation provides scholarships for candidates to obtain a master's degree in educational innovation in cooperation with the UAE University. Those candidates are winners of the Hamdan awards in the categories of Distinguished Teacher, Distinguished Educator, and Distinguished School, who wish to improve their efficiency in the field, and to be qualified academically

to reach the highest levels of educational excellence.

Taught in Arabic, this program is part of the joint efforts to support and promote the Arabic language. Being the first of its kind among universities in the region, this program was designed to support teachers and administrators in teaching and school leadership fields, to be an important source for preparing a generation of distinguished educators and keeping pace with the aspirations of future education in the UAE.

The program consists of 10 courses with 3 credit hours for each course, so the total is 30 credit hours. The program is designed to be completed in four semesters, including one summer semester, with a total duration of approximately 18 months.