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and Creative Engineering Award

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Hamdan Educational Awards

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its Offerings

Hamdan Foundation for Medical
and Educational
Sciences Marks UAE Flag Day

1400

1400 Experts Participate
in 2nd World Giftedness Center
International Conference



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Chief Editor

Abdul Noor Ahmed
Al Hashimi

Managing Editor

Hasan Mohammed

Secretary Editor

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Coordinator

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Editorial Board

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Fatin Matar
Dareen Mahmoud

Translation

Mohammed Ahmed

Photography

Mohammed subhi halawa

Technical Supervision

Maher Mohammed



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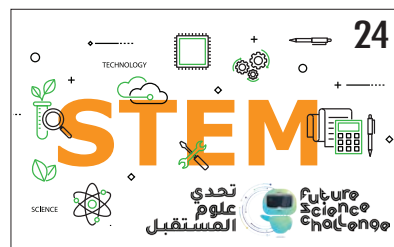
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OUR VISION

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

Issue and Correspondence:
Hamdan bin Rashid Al Maktoum Foundation for Medical and Educational Sciences

Headquarters - Dubai - United Arab Emirates, Telephone: 5013333 - Fax: 5013300
E-mail: info@ha.ae

www.ha.ae

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Announcing the Winners on 16 January

Rashid bin Hamdan bin Rashid Sponsors the Excellence and Creative Engineering Award



Dubai - 'Akhbar Al Tamayoz'

Sheikh Rashid bin Hamdan bin Rashid Al Maktoum, the Supreme President of the Hamdan bin Rashid Foundation for Medical and Educational Sciences, sponsors the second edition of the Excellence and Creative Engineering Award 2023-2024, which was organized by the UAE Society of Engineers. The applications were open till 31 October 2023, while the winners will be announced during a ceremony held in Dubai on 16 January 2024. The award aims to spread and encourage the culture of excellence, creativity, and innovation, highlighting the importance of national engineering work and raising the spirit of competition, creativity, leadership, and excellence in various fields of engineering work to keep up with the pace of the continuous global growth wheel.



«Archive photo»

The award witnessed a huge turnout from major leading institutions and entities, as the organizing committee received hundreds of applications from various entities, including government and private agencies working in the engineering field, consultants, engineering service providers, industrial companies, startup engineering companies, contractors, students, and educators from educational institutions and research centers, as well as business owners and project management companies.

Applications

The award received various applications from Dubai Municipality, Dubai Electricity and Water Authority, Museum of the Future, Dubai Aviation Engineering Projects, Awqaf and Minors Affairs Foundation, Municipality and Planning Department - Ajman, Department of Public Works - Sharjah, Department of Municipalities and Transport, Municipality of Abu Dhabi and Municipality of Al Ain City, Etihad Rail, Emirates Glass, Higher Colleges of Technology, Ajman University, Dubai University, Abu Dhabi University, UAE University, the American University of Ras Al Khaimah, and the American University of Sharjah, to name some.

The award includes two main categories: The Legal Personality category and the Individual category, with a total of 13 subcategories. The Legal Personality category includes these awards: The Pioneering

- Spreading and encouraging a culture of excellence, creativity, and innovation are the main objectives of the award
- Huge turnout from major leading institutions and entities specializing in engineering creativity

Engineering Project, Best Engineering Consultancy Company, Best Engineering Services Company, Best Construction Company, Best Industrial Company / Corporation, Best Startup Engineering Company, and Best Scientific Research in the Engineering Field.

The Pioneering Engineering Project Award is given to three types of projects: Best Mega Project, Best Medium Project, and Best Small Project.

The Individual Category

The Individuals category includes the Leading Personnel Award, Outstanding Engineer Award, and Outstanding Student Award, in addition to the Rising Engineer Award, which was named the Future Engineer Award last year.

The winners will enjoy many advantages, including cash prizes with a total value of 105,500 UAE dirhams, highlighting the achievements of the winners to a wide audience. The award receives high attention from decision-makers and stakeholders from various sectors, who are likely to choose the winners' companies and business owners from the engineering sector to assist and undertake their future projects. Other benefits are gaining the trust and loyalty of customers and the community, consolidating the brand, communicating with specialists, and getting a promotion and marketing opportunity through the media coverage of the award.

Hamdan Foundation for Medical and Educational Sciences Marks **UAE** Flag **Day**





- **Humaid Al Qatami:**
Flag Day is precious occasion to our hearts
- **We continue to support medical and educational excellence and national efforts in health, education, and gifted sectors**

Dubai - 'Akhbar Al Tamayoz'

The Hamdan bin Rashid Al Maktoum Foundation for Medical and Educational Sciences marked Flag Day in the Al Hudaiba Building Park, with the participation of senior officials and employees of the Foundation, along with representatives of other institutions.

The celebration commenced with the National Anthem, as His Excellency Dr. Humaid Al Qatami, Chairman of the Board of Trustees, hoisted the nation's flag among the attendees, who lined up around the flagpole to participate in the flag-raising ceremony based on their deep loyalty and affection for the UAE, expressing their commitment to its prosperity.

HE Al Qatami said, "On the UAE Flag Day, a deep sense of belonging to our cherished country and unwavering loyalty to our sagacious leadership are evident. We reminisce about the remarkable endeavors of the initial generation of founders, led by the late Sheikh Zayed bin Sultan Al Nahyan, may his soul rest in peace, who laid the foundations of the country, reinforced its structure, and solidified its place in the global arena. They empowered its institutions and citizens, allowing it to gain global achievements at various levels."

Loyalty and Belonging

His Excellency continued, "On this occasion, we congratulate His Highness Sheikh Mohammed bin Zayed Al Nahyan, President of the UAE, and His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, and their brothers Their Highnesses, members of the Federal Supreme Council, Rulers of the Emirates, the Crown Princes, the Deputies of the Rulers, and the people of the UAE. Flag Day will remain a symbolic occasion precious to our hearts, in which we express our pride in what the state has achieved under the Union Flag. Those achievements will ingrain the meanings of belonging and loyalty in the minds of generations."

Noble Goals

His Excellency addressed the attendants, saying, "We reinstate our loyalty to our country and its wise leadership and pledge to continue working towards advancing development to achieve our noble goals, ensuring that the UAE remains at the forefront of the advanced nations in all fields."

His Excellency added, "We, at the Hamdan bin Rashid Al Maktoum Foundation for Medical and Educational Sciences, under the directives of its Supreme President, Sheikh Rashid bin Hamdan Al Maktoum, will continue our support for medical and educational excellence. We will also contribute to national initiatives in healthcare, education, and the development of talented individuals to reach their objectives, in line with the vision of the late founder, Sheikh Hamdan bin Rashid Al Maktoum, may his soul rest in peace."

In an ambiance filled with patriotism and unity, attendees exchanged greetings on Flag Day, wishing ongoing progress and prosperity for our nation.

Hamdan Foundation Honors Participants with Exceptional Contributions and Remarkable Achievements in Talent and Innovation



Dubai - 'Akhbar Al Tamayoz'

The Hamdan bin Rashid Al Maktoum Foundation for Medical and Educational Sciences, represented by the Hamdan bin Rashid Al Maktoum Center for Giftedness and Innovation, hosted a ceremony to honor talented students in the presence of several officials, teachers, talented students and their parents, and other concerned parties in the education and innovation sector.

His Excellency Dr. Jamal Al Mehairi, Deputy Chairman of the Foundation's Board of Trustees, honored a group of students who presented exceptional contributions and remarkable achievements in the field of talent and innovation during the years 2022 and 2023.

Significant Efforts

His Excellency Dr. Khalifa Al Suwaidi, Secretary General of the Hamdan bin Rashid

- **Khalifa Al Suwaidi:** The Foundation continues with initiatives that support educational institutions according to the latest education methods

Al Maktoum Foundation for Medical and Educational Sciences, extended a warm welcome to the attendees, stressing the Foundation's keenness to recognize and honor talented students and their supervisors for their exceptional achievements. He expressed deep appreciation for their significant efforts and valuable contributions, which represent an addition to strengthening the Foundation's efforts in enriching students' knowledge, cultivating their skills, and providing needed technical and practical skills. Those efforts contribute to achieving the goals of supporting education and serving the community, in line with the UAE Vision 2030.

He added that the Foundation continues its initiatives to support local educational institutions according to the latest methods in education, enhances competitiveness in the field of educational quality, and nurtures gifted and innovative students.

He pointed out that the next phase will focus more on educational field programs, such as the quality of the educational system, the discovery and nurture of gifted, and medical excellence.

Achievements and Projects

The talented students were honored after they showcased their achievements and projects. The teams were given certificates, plaques, medals for the





teams, and a champion's shield for the winners. The recognition began with the Local Talent Mentoring team. During this segment, Mariam Mohamed Yousuf, a researcher in the Department of Earth, Planetary, and Space Sciences at the Mohammed bin Rashid Space Centre, was honored. Additionally, the student Mohammed Marwan Al Ali was recognized for his participation in a poster on "Investigating Seasonal Variations in Hydrogen Density and Ejection from Mars" at the European Geosciences Union Conference. The Local Mentorship Program aims to provide continuous and specialized support for talented students in various important scientific fields, utilizing distinguished experts nationally and internationally, in order to achieve the best possible investment in their abilities. Several students from the Hamdan Center were nominated and enrolled in international conferences, among them, Mohammed Marwan Al Ali, who

successfully completed all stages of the program and presented research on the UAE's mission to Mars at an international conference. In the Learning Program, which is offered to students from grades eight to twelve who are engaged in educational programs from international universities, six students from the Center participated and successfully completed the scientific program requirements in the year 2022. Each of the following students was honored for their accomplishments: Khalifa Nasser Lootah for his achievement in "Space Exploration" from Johns Hopkins University and Shahd Badri from the same university for her accomplishment in "Essay Composition." From Northwestern University, there was Aisha Saeed Al Awadhi for "Introduction to Cybersecurity," Ayida Salem for her achievement in "Introduction to Oncology," Noor Khalid bin Hammad for "Introduction to Oncology World," and Salama Mohammed Khadem for "Introduction to Oncology".

Students who participated in the Future Science Challenge competition were also recognized. This is the first specialized virtual competition in Artificial Intelligence and the Internet of Things for talented students, held annually with the participation of gifted students from the Gulf Cooperation Council countries. Hamdan Center participated with three teams in the second season of the competition, and one of these teams won the Best Innovator award. The competition was supervised by coach Charbel Najjar. The following students were honored for their achievements: Ayida Salem Al Rumeithi and Jumana Ali Al Aidaroos, winners of the Best Innovator award for their project "School Traffic Destroyer," Khalid Mohamed Al Imadi and Abdullah Omar Mohammed for their project "Water Pipe Detector," and the third team, consisting of Mohammed Ahmed Al Hashemi and Mohammed Abdullah Al Nuqbi, for their project "Smart Recycling."





17 of World's Top Speakers Shared Ideas about Future of Gifted Education

1400 Experts Participate in 2nd World Giftedness Center International Conference

Dubai - 'Akhbar Al Tamayoz'

1,400 experts in the field of giftedness from around the world participated in the activities of the 2nd World Giftedness Center International Conference. Organized virtually by the Hamdan bin Rashid Al Maktoum Foundation for Medical and Educational Sciences, the event ended on 19 October 2023.

This conference provided a central platform dedicated to encouraging and disseminating the best international practices in the field of gifted education and talent development. It brought together 17 of the world's top speakers, offering an excellent opportunity for them to share ideas, collaborate, and discuss how to shape the future of gifted education. The conference addressed a range of important topics and issues, such as talent development, gifted education, science, technology, engineering, mathematics education, and mentorship.

His Excellency Dr. Humaid Al Qatami, Chairman of the Board of Trustees of the Hamdan bin Rashid Al Maktoum Foundation for Medical and Educational Sciences, extended a warm welcome to the participants and their dedication to staying updated on global developments in the field of giftedness.

He stated, "It has been two years since our collective success at the conclusion

- **Humaid Al Qatami:**
We learned that knowledge and talent are cornerstones for ongoing human advancement
- **Dr. Jamal Al Mehairi:**
The conference provided effective platform for exchanging experiences and exploring advanced methodologies in education
- **Prominent topics of the conference:** talent development, gifted education, science, technology, engineering, mathematics, and mentorship

of the 1st World Giftedness Center International Conference, held at Expo Dubai 2020. During that conference, we underscored the significance of consolidating the endeavors of experts, educators, practitioners, and researchers in monitoring progress in gifted education and sharing the latest developments from various leading and concerned countries. As a result, experts and specialists have established improved communication, connectivity, and cooperation in their efforts to enhance the development of talent discovery and nurturing."

He stressed that the convening of the 2nd conference, focusing on modern trends in talent development based on research and applications, is a significant subject that attracts the interest of stakeholders for further discussion, research, and consultation. This conference represented a pivotal point in the development of talent discovery.

Human Advancement

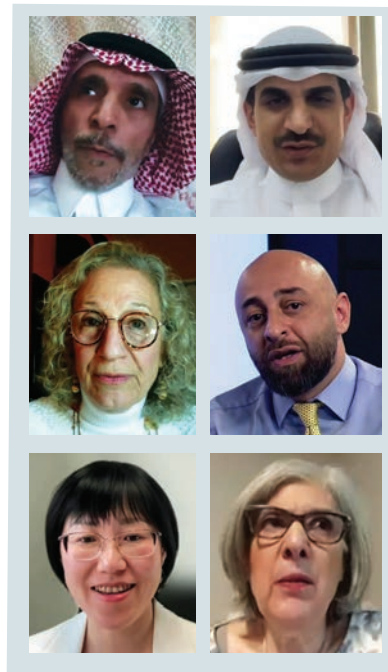
His Excellency said, "Under the visionary guidance of our ambitious leadership in the UAE, we have realized that the realm of achievement knows no boundaries. Knowledge and talent serve as the cornerstones of ongoing human advancement. Those ideas drive us towards creativity, innovation, invention, and offering



successful experiences in various fields to contribute to sustainable human development.”

He added: “Supporting medical efforts, achieving educational excellence in a rapidly evolving world, and harnessing talent to shape the future of humanity have been prominent and ambitious goals deeply ingrained in the visionary legacy of the late Sheikh Hamdan bin Rashid Al Maktoum. These goals culminated in the establishment of various initiatives starting in 1998, ultimately resulting in the formation of the Hamdan Foundation, which carries a legacy of unique and distinguished achievements. Today, we reflect on 25 years of dedicated and constructive endeavors. During this period, with our international and regional partnerships as well as your invaluable contributions, we have jointly launched numerous projects and programs dedicated to nurturing gifted individuals. The most prominent one is the World Giftedness Center. Therefore, it is our responsibility to continually advance towards the ambitious horizons envisioned by the founder of this initiative in order to reach the lofty goal of better investment in talented individuals for the benefit of humanity.”

His Excellency stressed that “this conference is being held at a time when the country has witnessed numerous achievements in the field of supporting gifted individuals, thanks to the wise

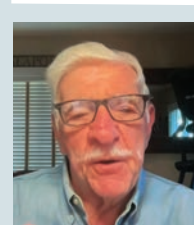


efforts and visions of the esteemed government, which aims to support the education sector and nurture talent through the strategic plans and initiatives launched by government

institutions and other organizations.”

Effective Platform

Dr. Jamal Al Mehairi, Vice Chairman of the Board of Trustees, emphasized that the Foundation was keen to organize this year’s conference virtually to ensure accessibility and participation from individuals all around the world.



At the same time, the Foundation remains steadfast in its commitment to promoting the best international practices in the field of gifted education and talent development.

This commitment is upheld through a dynamic and innovative blend of interactive virtual workshops and valuable seminars.

Dr. Al Mehairi emphasized that “the conference provides an effective platform for exchanging ideas and experiences, exploring advanced methodologies, and presenting the latest findings from studies and research in the field of educational and pedagogical system development. It offers a range of sessions curated by global experts and specialists, with careful consideration given to addressing modern trends in the development of gifted education.”

To Achieve its Goals En Route to a Better World

Dedication of Hamdan Foundation Helped Global Talent Mentoring Maintain its Offerings

Dubai - 'Akhbar Al Tamayoz'

Thanks to the dedication of Hamdan bin Rashid Al Maktoum Foundation for Medical and Educational Sciences, Global Talent Mentoring is maintaining its offerings until it effects the positive global changes it aspires for—not only in the lives of future scientists but also towards making the world a better place for all. Global Talent Mentoring is a research-based online program that aims to support talented students from all around the world by connecting them to internationally recognized experts and scholars through online mentoring.



As a pioneering endeavor of the UNESCO-recognized Hamdan bin Rashid Al Maktoum Foundation, the program is an initiative of the World Giftedness Center. The conceptualization of Global Talent Mentoring began in 2017 in collaboration with the University of Regensburg in Germany. After almost four years of research, preparation, and planning, the program first welcomed participants in April 2021. The program is currently being operated, expanded, and optimized by a research consortium with teams at the Hamdan Foundation in Dubai (UAE) and at the University of Regensburg and the University of

GLOBAL TALENT MENTORING

by the World Giftedness Center

- **Global Talent Mentoring is research-based online program that connects talented students from all around the world to internationally recognized experts and scholars**
- **Global Talent Mentoring caters for unique talents in science, technology, engineering, mathematics, and medical sciences (STEMM)**
- **The mentoring program launched in 2021 with over 100 mentee-mentor dyads**
- **The program offers goal-oriented one-on-one mentorship for up to ten years**



Erlangen-Nuremberg in Germany. As a fully online program, Global Talent Mentoring bridges geographic and cultural distances to connect the most highly motivated, hardest-working youths and young adults (mentees) with distinguished researchers, academics, and professionals (mentors) in science, technology, engineering, mathematics, and medical sciences (STEMM). To date, Global Talent Mentoring has successfully created over 210 mentee-mentor dyads (i.e., one-on-one matches between mentees and mentors) coming from almost 50 countries.

The primary goal of the Global Talent Mentoring program is to use long-term mentoring and networking to help a very special group of outstanding youths and young adults transform their already prodigious talents into eminence and innovative leadership for the benefit of humankind: those youths and young adults who are absolutely determined to develop an interest in a specific STEMM domain. By catering to this often-overlooked group, Global Talent Mentoring is helping youths and young adults from around the world harness their potential for society.

Accordingly, Prof. Dr. Heidrun Stoeger, co-director of the program, mentions: "Humanity faces daunting challenges (e.g., global warming, loss of biodiversity). In order to rise to the occasion and overcome these challenges, our civilization needs all the help it can get. One crucial piece of a viable solution involves unlocking more of the potential of the world's most outstanding, hardworking youths with STEMM interests. With Global Talent Mentoring, my colleague Prof. Drs. Albert Ziegler and I are leveraging evidence-based methods of mentoring and networking to help this special group maximize their potential."

To achieve its goal and offer a unique program experience for its participants, Global Talent Mentoring conceptualizes its operational procedures on research-based practices. It also implements an ongoing program of systematic evaluation and program monitoring, attending to participants' feedback and program representatives' insights, to continually optimize the program and its offerings.

Program Components

Building blocks of Global Talent Mentoring include: Youths with outstanding early achievements in a specific STEMM area and an unusually strong determination to develop their competencies towards the highest levels of achievement in that area (mentees), International STEMM experts, for example, professors, postdocs, scientists, engineers (mentors), and



An online workspace for connecting mentees with their mentors as well as facilitating networking and collaboration among all program participants (mentoring platform).

The promise of the program to its mentees includes goal-oriented one-on-one mentorship with globally leading STEMM experts for up to ten years, opportunities to collaborate on projects aligned with their STEMM interests, and networking with like-minded talented youth and scientists. Global Talent Mentoring is a highly selective program. To be selected as mentees, nominated youths and young adults must meet rigorous criteria. It is not about getting youths and young adults interested in STEMM. Those selected as mentees have convinced the program that they are already burning to develop as far as possible in a specific STEMM and are already quite advanced.

In fact, Global Talent Mentoring exists to support those unique youths and young adults, regardless of gender, culture, or socio-economic background, who are already advanced in one or more STEMM domains and extremely motivated to develop in their field. To be an eligible mentee candidate, students

should be around 16 years old and already have outstanding, verifiable achievements in a specific STEMM area, the ability to express their thoughts in English, and the motivation to commit for the long term.

Recognizing the significance of attracting the right candidates to the program and mentoring them towards achieving their full potential, Dr. Mariam Al Ghawi, Director of the World Giftedness Center, stresses that "investing in the growth of minds knows no borders, and our Global Talent Mentoring program is a testament to this belief. As we weave a tapestry of knowledge that spans continents, we take immense pride in nurturing the aspirations of tomorrow's leaders. In empowering the brightest minds worldwide through mentorship, we not only unlock their potential but also foster a global community united by the pursuit of excellence."

Likewise, mentors should meet certain criteria for joining the program. They should have a proven track record of outstanding accomplishments, not only in formal education (e.g., an MS or a PhD) but also in the form of recent professional achievements (e.g., international publications, patents, and inventions).

- The program offerings are open to all youths worldwide at no cost and regardless of their race, ethnicity, or social background
- 3 years and counting, Global Talent Mentoring has made significant achievements to the gifted education, talent development, and STEMM education communities worldwide
- The program is operated, expanded, and optimized by research consortium with teams at the Hamdan Foundation, the University of Regensburg, and the University of Erlangen-Nuremberg in Germany

Practicing scientists, professors, researchers, and developers in private sectors are just some examples of exceptional individuals who volunteer their time to share their knowledge, experience, and passion for their STEMM field.

Mentors are expected to work together regularly with their mentees, guide them on their pathway to excellence, and participate in formative evaluation studies to support and enhance the outcomes of the program. Undisputedly, the program is also rewarding for the mentors, as it allows them to impact the STEMM leaders of tomorrow and get inspired by them, helps them stay informed about what matters to the next generation of STEMM leaders, and gives them the opportunity to become part of a global network of their STEMM counterparts. Global Talent Mentoring developed a custom-designed, multifunctional online platform that serves as a virtual meeting place for mentees and mentors. Each dyad has its own special workspace. Mentees are encouraged to set specific goals, record them in their workspace, and work on achieving those goals with the support of their mentor. On top of the one-on-one mentoring, Global Talent Mentoring also promotes and facilitates small-group projects and program-wide networking. The mentoring platform offers theme-based online events where mentees connect with other like-minded mentees and share their experiences and achievements in an interactive community setting.

Our Global Partner Network

A crucial part of what makes Global Talent Mentoring a success is the many global partners that collaborate with the program. These partners include STEMM and STEMM-related organizations, universities, schools, ministries, and companies from around the world. They work with Global Talent Mentoring on a voluntary basis and provide access to the program to potential mentees and mentors in their local networks.

The program has already managed to expand its network of partners on five continents and welcome participants from almost 50 countries. Thanks to the partners, the number is growing.

Global Impact

Global Talent Mentoring stands out among other talent development mentoring programs. It is unique on multiple scales: its capacity to provide long-term support for talent development in the fields of STEMM through evidence-based online mentoring, its ability to create a



specialized global virtual network of STEMM talent and expertise, and its cultivation of the next generation of eminent, transformative scientists in STEMM. Owing to the global reach and online format of the program, its offerings are open to all youths worldwide at no cost, regardless of their race, ethnicity, or social background. Reflecting on her mentoring experience, one of our amazing mentees, Kalea Wen, said, “The work I’ve been doing with my mentor is my STEMM highlight. She’s a plasma physicist, and she works with a lot of different fusion devices, and I was fortunate enough to have the opportunity to get to test [virtually] on her plasma lab that her bachelor students and master students get to use.” She added, “And it was really cool to see how real physicists collect and analyze this messy data; so I have really seen what true data looks like. In high school, we get to see just basic stuff, so this is all great experience and knowledge.” Comparably, one of our pioneer mentors, Dr. Aphrodite Smpiraki, shares her thoughts on her experience with the program, saying, “I like the video calls option and the chatting tool for the Global Talent Mentoring program

community because these features enhance visibility. They operate in a controlled and safe environment and foster our networking goals, which is an important aspect of the success of the mentoring program. I have the chance to expand my network in STEMM and my knowledge of different STEMM fields while connecting with people from different countries, cultures, and backgrounds.”

Global Talent Mentoring’s Achievements

To date, Global Talent Mentoring has already made significant achievements for the gifted education, talent development, and STEMM education communities worldwide.

We close by noting just a few areas of outstanding accomplishments: Mentees have presented outstanding research together with their mentors at international forums, won prestigious awards, been admitted to the world’s top universities, and, importantly, used their ingenuity and drive both to further their own STEMM competencies towards eminence and, by so doing, to help find solutions to the world’s most pressing problems.



Participation Increased 12.6% Compared to 25th Edition

Starting Arbitration of 286 Local and GCC Applications in the Hamdan Educational Awards

Dubai - 'Akhbar Al Tamayoz'

The Hamdan bin Rashid Foundation for Medical and Educational Sciences has begun the central arbitration process for the 26th edition of its educational awards at the local and Gulf Cooperation Council (GCC) levels, which targets students, teachers, educators, and schools, in addition to the supporting institutions to honor them and highlight their distinguished achievements. The Foundation received a total of 286 applications for this edition at the UAE and GCC levels, an increase of 12.6% compared to 254 applications in the previous edition. This year's submissions were divided into 198 at the UAE level and 88 at the regional competitions.





The Hamdan Foundation's educational awards have witnessed a significant increase in participation at both the local and the Gulf levels, as the number of participants at the local level increased by about 12% and applications reached 198, compared to 177 in the 25th edition.

The local categories included Distinguished Student, Distinguished University Student, Distinguished Teacher, Distinguished Educator, Distinguished School, and Education-Supporting Institutions.

As for the GCC competitions, the number of participants increased by 14.3%, reaching 88, compared to 77 participants in the previous edition.

The GCC applications were distributed as follows: 32 for the Distinguished Student, 34 for the Distinguished Teacher, and 22 for the Distinguished School.

Best Global Standards

Dr. Ali Al Kaabi, Chairman and General Coordinator of the Central Arbitration Committees, said, "The Hamdan Foundation employs the best global standards and the latest tools in the arbitration process to ensure the accuracy of the results. The Foundation has consistently sought to enhance and update its arbitration process to align with the highest standards."

He added, "The arbitration process aligns with the Foundation's goal of recognizing and honoring excellence, as well as providing support to outstanding individuals in the UAE and the GCC countries. This effort is part of the Hamdan Foundation's endeavors

to achieve excellence in education, keep pace with advancements in technology, and foster excellence and innovation in line with the goals and vision of our wise government and its continuous efforts to advance education by supporting educators, schools, and universities, and enabling them to fulfill their noble mission while encouraging excellence among our students and graduating generations capable of taking on responsibilities in driving progress and development."

Updates

It is noteworthy that the Foundation has seen several updates, particularly in the central arbitration processes, locally and regionally. Criteria have been modified and improved. The submission process has also been refined using the assessment mechanism, and the electronic arbitration system has been enhanced to ensure the achievement of the Foundation's goals in fostering a culture of excellence and innovation, improving the quality of education, and providing support for the gifted and innovative segments.

Throughout the past years, the Foundation has consistently continued to achieve its objectives of identifying distinguished individuals, highlighting their achievements and innovations, and providing the needed support and recognition.

The arbitration committees consist of an elite group of experts in all the award categories and fields who have received appropriate training to stay up-to-date with the latest developments, ensuring that the arbitration process aligns with international standards.

- **Ali Al Kaabi:** Arbitration processes achieve our goals of recognizing and honoring distinguished individuals
- **198 local participations, and 88 at the GCC level**
- **Enhancing and updating the criteria, submission mechanism, and electronic arbitration system**
- **The arbitration committees consist of elite experts in all categories and fields**

With 400 Specialists and Experts

The International Forum for Talent Discovery and Development to be Held on 14 November

- **Khalifa Al Suwaidi:**
The forum is effective platform for unifying efforts and strategies to promote education and discover talents

Dubai - 'Akhbar Al Tamayoz'

The Hamdan bin Rashid Al Maktoum Foundation for Medical and Educational Sciences announced the convening of the "Hamdan International Forum for Talent Discovery and Development" under the theme "Talent Discovery and Development – Opportunities and Aspirations." The forum will be held on Tuesday, 14 November 2023, at the Mohammed bin Rashid Library in Dubai.

His Excellency Dr. Khalifa Al Suwaidi, Secretary General of the Hamdan bin Rashid Al Maktoum Foundation for Medical and Educational Sciences, said, "We are pleased to announce the organization of the Hamdan International Forum for Talent Discovery and Development. This event reflects the Foundation's commitment to nurturing and supporting talented individuals, continually enhancing methods for their discovery, and providing them with care in light of the rapid developments in this field. This

The forum aims to:

- Empower and develop talent discovery methods
- Enhance global presence of the Hamdan Talent Rubric
- Achieve competitiveness in talent discovery
- Formulate strategic plans to ensure sustainability and continuity of talents
- Improve sustainability systems and promote the culture of talent
- Support and develop research and application prospects in talent discovery
- Showcase latest academic and applied studies in the field
- Present ideas and insights about talent discovery and development



initiative aligns with contemporary global best practices in talent discovery and development within the UAE. It also coordinates efforts aimed at offering support and assistance to help talented individuals excel in creative and innovative fields, establishing effective strategies in line with global systems for talent discovery. This contributes to advancing the country's educational goals and supporting talented individuals who form the core of future scholars, developing their talents, and investing in the knowledge economy during the era of the fourth industrial revolution."

Dr. Al Suwaidi added, "There's no doubt that events like these provide the UAE with an effective platform that brings together experts and decision-makers to share knowledge on various education-related topics. Through this platform, we share how to unify efforts, develop strategies, and plan to enhance the education sector, talent discovery, and other relevant matters. We hope that

this forum will achieve its goals by producing recommendations and insights that contribute to the development of mechanisms of talent discovery, not only within the UAE but also at regional and global levels."

Expected to host around 400 specialists and experts, the forum aims to empower and develop talent discovery skills among practitioners and specialists in the educational field. It also seeks to enhance the global presence of the Hamdan Talent Rubric, achieve competitiveness in talent discovery, and formulate strategic plans to ensure the sustainability and continuity of talents amidst rapid developments.

Additionally, it strives to improve sustainability systems, promote and enhance a culture of talent, and support and develop research and application prospects in the field of talent discovery. It will also showcase the latest academic and applied studies in talent discovery, along with the presentation of ideas and

insights about talent discovery and development.

The forum is expected to feature a distinguished group of prominent education experts, both local and international, including leaders, officials, specialists, and university professors. Topics to be discussed include the Hamdan Foundation's program for talent discovery and development, the future of talented Emirati students, opportunities and aspirations, and the standard approach of the "Hamdan Talent Rubric in light of global standards."

The event will also address the role of highly efficient higher education institutions in talent sustainability, as well as strategic transformations in the fields of discovering and nurturing talent.

The forum will be attended by top education sector leaders, specialists, individuals interested in the educational and pedagogical fields, along with students, talented individuals, and other concerned parties.

Organized by Hamdan bin Rashid Foundation
for Medical and Educational Sciences

100

Students Participate in Workshop on “Hydroponic Farming”



Dubai - ‘Akhbar Al Tamayoz’

With participation of 100 students from public schools and Dubai Police’s Hemaya Schools, a workshop was organized by the Hamdan bin Rashid Al Maktoum Foundation for Medical and Educational Sciences on “Hydroponic Farming”. The workshop addressed the growing challenges in food security, ecological concerns, and sustainability, and shed light on innovation in hydroponic farming, an advanced technique for crop cultivation that has garnered widespread attention from experts in the agriculture sector due to its ability to address environmental challenges and agricultural issues.

- **Khalifa Al Suwaidi:**
The workshop enriches students’ knowledge about hydroponic farming
- The workshop highlighted the growing challenges in the food security, ecological concerns, and sustainability sectors





The Foundation Efforts

Dr. Khalifa Al Suwaidi, Secretary General of the Hamdan bin Rashid Al Maktoum Foundation for Medical and Educational Sciences, stated, “This workshop on hydroponic farming aligns with the Foundation’s efforts to enhance knowledge of innovative technologies and their applications in daily life, particularly in vital sectors like agriculture, which plays a fundamental role in achieving food security and economic stability.” He added, “The workshop has been successful in achieving its objectives, providing valuable insights to our students in the field of hydroponic

farming, one of the advanced and innovative technologies for crop cultivation. Participants have learned about the problems and challenges that can be addressed through innovative methods and techniques in this field.” Through the workshop, the participants learned how to implement innovative projects for establishing a hydroponic farm.

Workshop Goals

The goals of the workshop included promoting a culture of innovation and digital manufacturing among community members and acquainting participants with key technologies used in agriculture. Furthermore, it

aimed to provide practical experience or a case study that enables participants to apply hydroponic farming concepts in their daily lives and enhance their problem-solving skills.

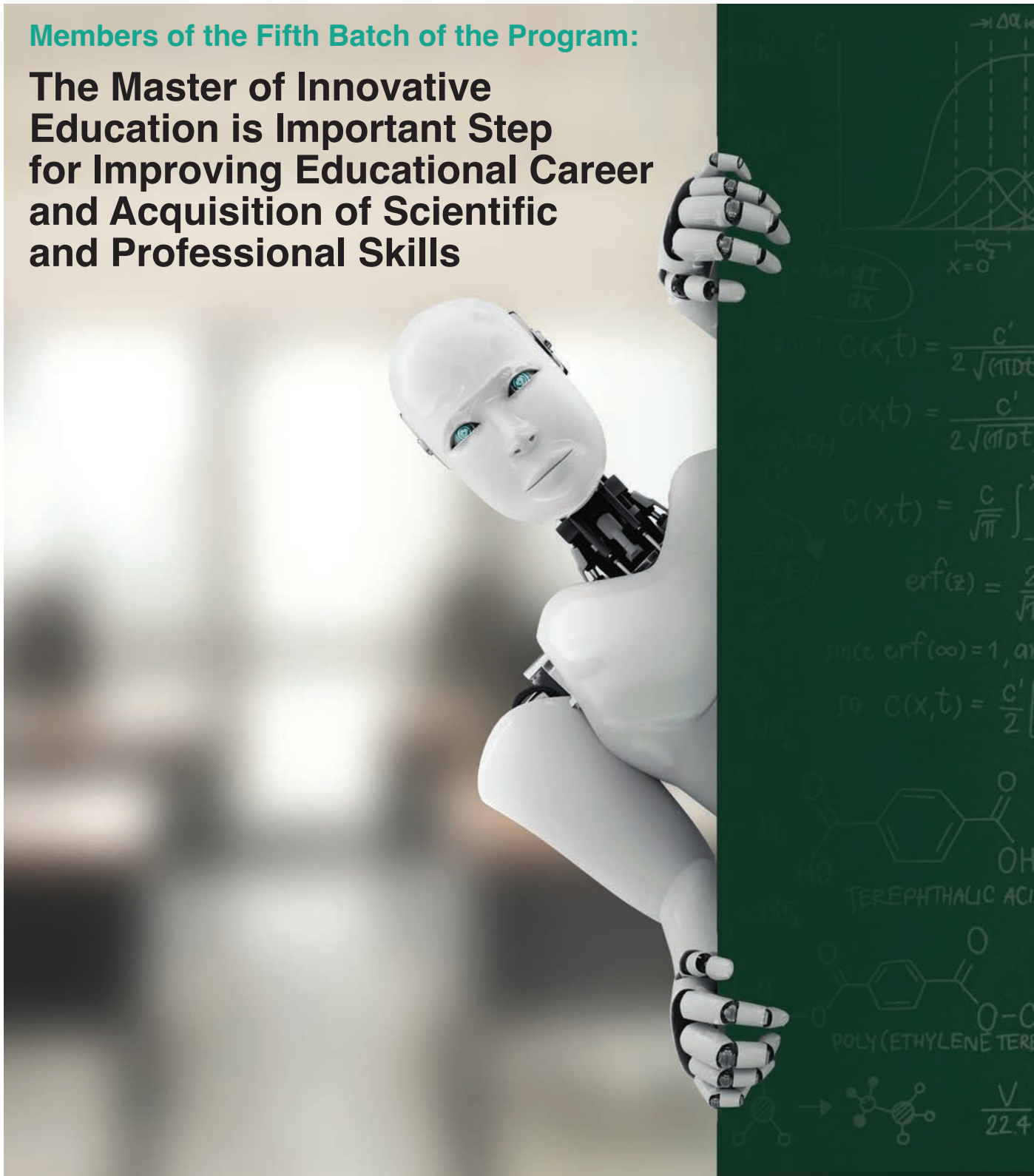
The participating students also received an in-depth explanation of hydroponics, its principles, methods, benefits, and its impact on the future of agriculture through an innovative project, which was a fully integrated hydroponic farm built by the trainees during the event.

The workshop covered various related topics, including programming, 3D printing, design, digital manufacturing, and electronics.



Members of the Fifth Batch of the Program:

The Master of Innovative Education is Important Step for Improving Educational Career and Acquisition of Scientific and Professional Skills



Dubai - Dareen Mahmoud

Members of the fifth batch of the Master of Innovative Education program stressed that the program is an important step for improving the educational career and the acquisition of scientific and professional skills. The program has been offered by the Hamdan bin Rashid Al Maktoum Foundation for Medical and Educational Sciences in cooperation with the College of Education at the United Arab Emirates University.

Active Member

Maha Salem Obaid Al Yahyai, a kindergarten teacher in Al Ain, said, "I was keen to enroll in the Master of Innovative Education program because, as a teacher, I need to improve my skills and gain more experience and knowledge in the field of innovation, which will help me develop my career and improve my life, and this is why I enrolled in this program."

She continued, "I aspire to be able to face the challenges and difficulties during my career and on my way to reach my goals, which help me achieve more and more, so that I could be an active member in my society, contributing as much as I can to give back to my country."

Development and Improvement

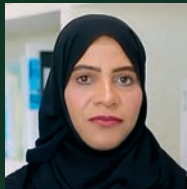
Ibrahim Al Badi, a student of the master's program, stated, "I aspire to develop my innovative skills in leadership and use these skills to make improvements in the educational field by enhancing and improving performance in my work."

4 Reasons

Fatima Mohammed Salem Al Hosani, a deputy educator at Khatt Boys School (for the second and third cycles' students), spoke about the reasons for joining the program, saying, "There are 4 reasons for me joining this program: deepening knowledge in my specialization, self-development, gaining more experience in the academic field, and acquiring needed skills for my profession and social life."

Expansion of Skills

Abeer Mohammed Salem Al Hosani, one of the program students, said,



Maha Al Yahyai



Ibrahim Al Badi



Fatima Al Hosani



Abeer Al Hosani

"The master's program is an important milestone towards advancement in the academic field, as it expands my academic, scientific, and professional skills. Those skills facilitate career upgrade, the development of research and problem-solving skills, and advancement in postgraduate studies. For me, I consider it the first step to being specialized in leadership."

Enthusiasm and Tension

Moza Al Yahyai, a secondary school teacher in Al Ain, spoke about her feelings when she joined the program, saying, "My feeling when I joined the program was a mixture of fear, tension, and enthusiasm. There was an inner voice telling me, 'You can succeed,' so I decided to continue and succeed, especially since the program expands my knowledge in the academic field and helps me achieve my goals in the field of education."

It is noteworthy that the total number of students in the fifth batch of the program was 28, while the number of graduates of the program over its previous batches was 40, who achieved their goals of enhancing their educational careers.

The master's program is delivered in Arabic to contribute to elevating the level of performance and excellence in the field of education, as it includes two tracks: the first track focuses on innovative teaching methods tailored to the needs of exceptional educators, while the second centers on innovative school leadership, designed specifically for outstanding school administrators.

The program spans 18 months and is scheduled on weekends. Classes take place at the Hamdan Center for Giftedness and Innovation in Dubai.

Furthermore, the Master of Innovative Education program is the result of a collaboration between the Hamdan bin Rashid Foundation for Medical and Educational Sciences and the United Arab Emirates University. The program was initiated in 2018, with the Foundation offering 10 scholarships in each batch.

- **The program is organized by the Hamdan Foundation in cooperation with the UAE University**
- **The program spans 18 months and is scheduled on weekends**
- **40 graduates from the previous batches of the Master of Innovative Education**



To Participate School Training Program on the EFQM-Hamdan Education Model

Delegation from the Hamdan Foundation Visits the American School of Creative Science

Dubai - 'Akhbar Al Tamayoz'

A delegation from the Hamdan bin Rashid Al Maktoum Foundation for Medical and Educational Sciences, headed by His Excellency Dr. Khalifa Al Suwaidi, Secretary General of the Foundation, visited the American School of Creative Science.

The visit's objective is to participate in the second round of the school training program on the EFQM-Hamdan Education Model.

The model provides a guideline for achieving and recognizing outstanding performance in educational institutions, as it focuses on operational performance and achieving goals, which makes it an ideal guide to test the ability and alignment of the school's current practices and its ability to respond to challenges to reach its future goals and ambitions.

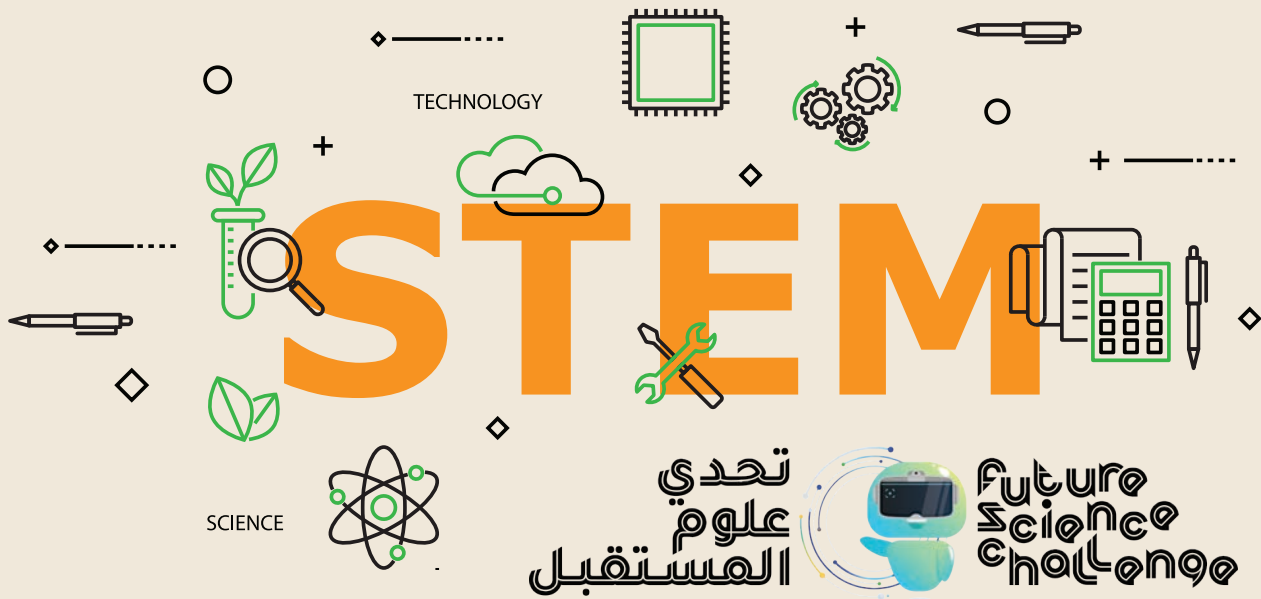
The model provides a comprehensive view of the school as a complex, changing, and adaptable organization consisting of a group of humans collaborating in a dynamic environment; therefore, the school should not be considered a simple,



static, and predictable entity. The model includes a framework for defining and involving all stakeholders, believing in the role of the school's partners in setting its strategy, planning its operations, and methods of implementation to achieve its goals. The model considers performance measurement to be the essence of

improvement because it is an indicator of continuous progress toward achieving the school's goals. Performance measurement is based primarily on evaluating academic outcomes, in addition to evaluating the outcomes of all aspects of developing and implementing the school strategy and the interactions of all partners within the school ecosystem.

The “Future Science Challenge” Competition Received STEM International Accreditation in Science and Technology



- The achievement strengthens the Foundation’s efforts to develop gifted education and enhance the UAE’s competitiveness in science, technology, giftedness, and innovation

Dubai - ‘Akhbar Al Tamayoz’

The Hamdan bin Rashid Al Maktoum Foundation for Medical and Educational Sciences has proudly announced a significant milestone. The "Future Science Challenge" competition, conducted by the Hamdan bin Rashid Center for Giftedness and Innovation, has now been officially accredited by the esteemed STEM international organization in the realm of science and technology.

Notably, this marks the Foundation’s second achievement in this regard, following its prior success in securing STEM accreditation for the Hamdan Center for Giftedness and Innovation, making it the UAE’s pioneering institution to attain such recognition.

This achievement strengthens the Foundation’s efforts to develop gifted education and enhance the country’s competitiveness in the fields of science, technology, giftedness, and innovation. The competition aims to foster the mastery of artificial intelligence (AI) and

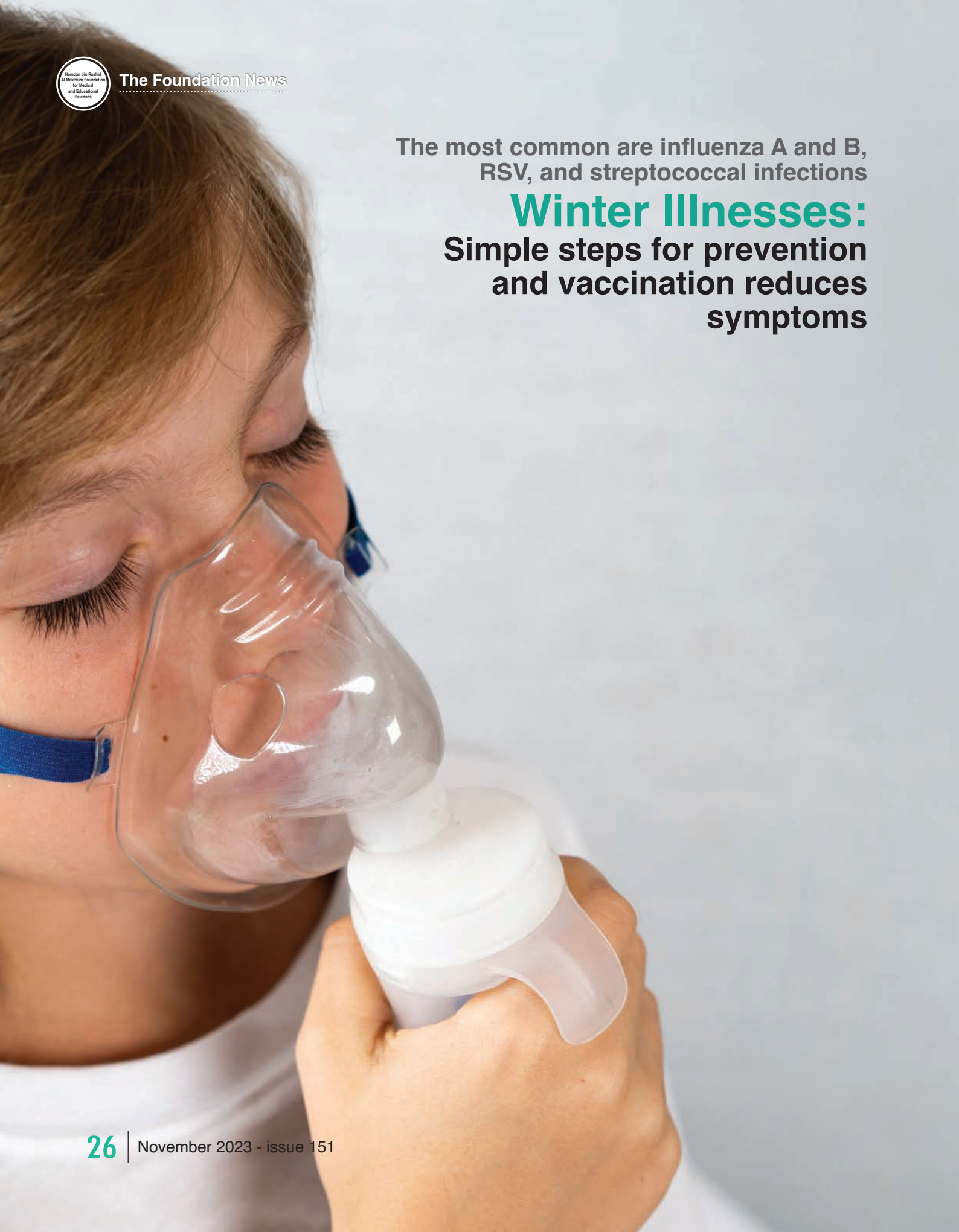
the Internet of Things (IoT) principles, with a strong emphasis on cultivating multidisciplinary learning approaches among exceptionally gifted students aged 10 to 17 in the fields of science and technology.

The competition is based on encouraging innovation in these fields, specifically in AI and IoT areas, to encourage youths to apply this knowledge to practical problem-solving through a series of exciting contests and challenges that nurture their cognitive abilities.

Moreover, the competition aims to encourage youths to acquire new skills and share their insights and knowledge with their community, which facilitates achieving their aspirations for innovation that makes a positive impact in their communities, besides shaping the future of creativity and innovation. STEM is a US-based educational organization that works continuously on research and accreditation in the fields of science, technology, engineering, and mathematics.

The most common are influenza A and B,
RSV, and streptococcal infections

Winter Illnesses: Simple steps for prevention and vaccination reduces symptoms



Dubai - Dareen Mahmoud

Winter is usually associated with the incidence of many diseases, especially among school students. Vagaries of the weather and close contact among students contribute to increasing the incidence of some illnesses.

Dr. Ramia Dalati Al Hashimi, a pediatric specialist at NMC Royal Hospital in Sharjah, said, "There are several illnesses that affect children in winter in particular, including influenza type A, influenza type B, RSV, and streptococcal infection."

She emphasized that the symptoms of these diseases are similar: cough, runny nose, sore throat, difficulty breathing, and a high temperature. As for children with asthma or allergies, they have worsening symptoms during the winter.

Dr. Dalati stressed the need for children from the age of 9 months to receive the influenza vaccination, especially those with asthma or allergies. She stated, "We have noticed that children who have taken the vaccination are less likely than others to contract influenza and colds. They also have fewer allergy attacks, and in case of infection, the symptoms will be less severe than in children who have not received the influenza vaccination. So, I advise parents to have their children vaccinated."

Doctor Consultation

Dr. Dalati stressed the necessity of consulting a doctor before giving antibiotics to children if there is no real need, because it may negatively affect their health, exacerbate the symptoms, and weaken immunity in the long term. She added, "There are several steps to prevent winter illnesses, the most important of which is reducing the medications given to children, especially without consulting a doctor; getting healthy food, especially fruits and vegetables; drinking fluids regularly, especially water and natural juices; taking a sufficient amount of sleep; personal hygiene; and wearing a mask in case of being infected or being in an infected environment."

She explained that "sick children should not be sent to school because they need to rest and not transmit the infection to classmates. It is required to consult a doctor and adhere to prescribed medications, especially for children with asthma and allergies,

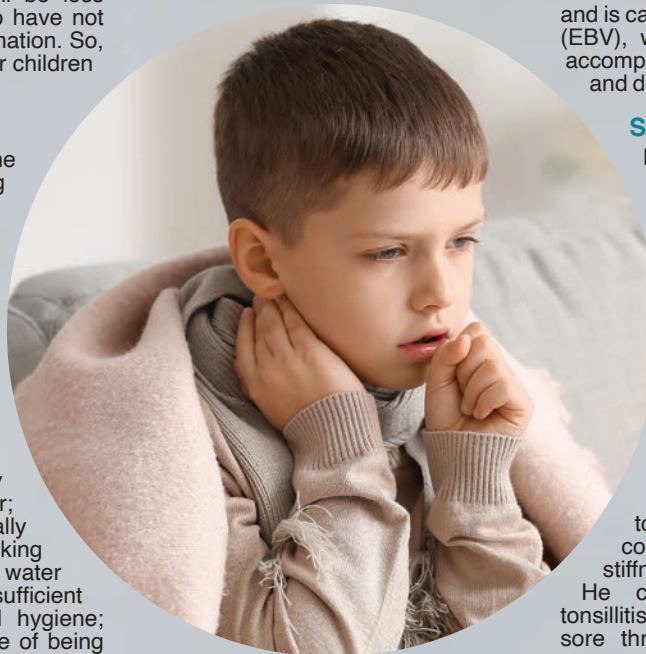


Dr. Imad Hamouda



Dr. Ramia Al Hashimi

- **Cough, runny nose, sore throat, difficulty breathing, and high temperature are the most prominent symptoms**
- **The most important steps for prevention: healthy food, drinking fluids, and personal hygiene**
- **Tonsillitis can be diagnosed according to the development and degree of inflammation**



as some may be afraid of allergy medications and inhalers despite their necessity for healing."

Tonsillitis

Dr. Imad Hamouda, a pediatric specialist, said, "It is rare to reach the

age of 15 without being exposed, even once, to tonsillitis. In America, tonsillitis constitutes about 2% of the complaints seen in clinics. Viruses are responsible for 70% of acute tonsillitis in children under the age of 5, while germs are responsible for 15-30% in children between the ages of 5-15."

He pointed out that tonsillitis may occur at any time of the year, but it increases in winter and early spring, and it increases in crowded places such as schools. It is easy to see the tonsils when diagnosing the mouth, but we need to use a special mirror to see the growths at the roof of the mouth.

Dr. Hamouda explained in detail the types of tonsillitis: "Tonsillitis can be diagnosed according to the progression and the degree of the inflammation: As for acute tonsillitis, it begins suddenly, and its symptoms last 3-4 days, but may last two weeks despite treatment. As for recurrent tonsillitis, it recurs 5 times or more per year."

He added, "As for chronic tonsillitis, it is a permanent inflammation without specific periods of recovery. In purulent tonsillitis, a collection of pus grows deep in the grooves inside the inflamed tonsil. As for infectious mononucleosis, it is seen in children and adolescents and is caused by the Epstein-Barr virus (EBV), which is severe inflammation accompanied by lymphadenopathy and does not respond to antibiotics."

Symptoms

Regarding the symptoms, he said, "The symptoms depend on the type of inflammation (acute, chronic, recurrent, or with pus collections and abscesses), but the most prominent symptoms in acute inflammation are: heat, dryness, sore throat, earache, swollen lymph nodes in the neck with pain, snoring, mouth breathing and perhaps stopping breathing during sleep, fatigue, weakness, low energy, red and swollen tonsils with pus-filled spots, coughing, hoarseness, neck stiffness, and headache."

He continued: "As for chronic tonsillitis, the symptoms are: constant sore throat, bad breath, and tonsil stones may appear in the tonsils resulting from the remnants and abscesses of recurrent inflammation. As for abscesses around the tonsils, symptoms include fever accompanied by a severe sore throat, difficulty opening the mouth completely, and an enlarged size of one of the tonsils compared to the other."