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# TVET INNOVATION WEEK 2023 COMMERATIVE REPORT

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Under the patronage of  
**His Highness Sheikh Hazza bin Zayed Al Nahyan**  
Vice Chairman of the Abu Dhabi Executive Council

# TVET INNOVATION WEEK 2023 HIGHLIGHTS

## TVET LEADERS FORUM

500+	1	12
PARTICIPANTS	DAY PROGRAM	SPEAKERS
3	6+	5
SESSIONS	VIP VISITS	REGIONAL AND INTERNATIONAL DELEGATIONS
5	10+	50+
SKILL AREAS AT INNOVATION FAIR	INDUSTRY PARTNERS	VOLUNTEERS

## TVET DISCOVERY EXPERIENCE

10,000+	5	12
STUDENTS & PARENTS REACHED	DAYS PROGRAM ACROSS ALL EMIRATES	LOCATIONS
18	319	45
CAMPUSES	MINI EXPO	GUEST SPEAKERS
91	129	30
CAREER CLINICS	PROJECTS	MINISTRY OF EDUCATION VISITS





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## ACTVET

Abu Dhabi Centre for | مركز أبوظبي  
Technical and Vocational | للتعليم والتدريب  
Education and Training | التقني والمهني

The Abu Dhabi Centre for Technical and Vocational Education and Training (ACTVET) was established under the directive of His Highness Sheikh Mohamed bin Zayed Al Nahyan, President of the UAE, through Resolution No. 49/2010.

ACTVET is committed to establishing policies and standards that effectively regulate technical and vocational educational institutions in Abu Dhabi. It is also responsible for the licensing of trainers and tutors that meet the demands of the UAE's local market.

The centre aims to boost training and educational opportunities for young nationals within the qualification framework of the Emirate. ACTVET's primary goal is to increase the number of skilled Emirati youth in rewarding career paths and foster life-long learning and personal development.

ACTVET oversees several entities such as Abu Dhabi Vocational Education and Training Institute (ADVETI) and the Institute of Applied Technology (IAT) that provide accredited educational and vocational training programs, in line with the best international standards, to prepare students for the labour market.

Learn more about ACTVET initiatives at [www.actvet.gov.ae](http://www.actvet.gov.ae)



## // FOREWORD BY DIRECTOR GENERAL



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I am confident that the knowledge gained from this forum will inspire and guide us as we continue to develop and implement innovative practices in TVET

**H.E. Dr. Mubarak Saeed Al Shamsi**  
Director General of ACTVET

It gives me pleasure to address you all on the successful conclusion of our forum on TVET for all.

I would like to take this opportunity to express my heartfelt thanks to all the speakers, panellists, and participants for their valuable contributions and insightful discussions.

I strongly believe that innovation is the key to success in today's rapidly changing world. The pace of technological advancement and the changing nature of work have made it imperative for TVET providers to keep up with the latest trends and developments.

Our forum has been a platform for exchanging ideas, best practices, and innovations in the TVET sector. The presentations and discussions have covered a wide range of topics, including the use of emerging technologies such as AI, IoT, and Robotics in TVET, the importance of lifelong learning, and the need for collaboration between TVET institutions and industry.

I am confident that the knowledge gained from this forum will inspire and guide us as we continue to develop and implement innovative practices in TVET.

We must remain agile and adaptive to meet the changing needs of the job market and ensure that our students are equipped with the skills and knowledge necessary to succeed in the future.

Once again, I extend my sincere gratitude to all the participants for their active engagement and meaningful contributions to this forum.

I look forward to continued collaboration and exchange of ideas in the future.

## // ABOUT TVET INNOVATION WEEK



أسبوع التعليم التقني والابتكار  
**TVET** INNOVATION  
WEEK

Abu Dhabi Center for Technical and Vocational Education and Training (ACTVET) annually organizes the TVET Innovation Week, a one-of-its-kind event, under the patronage of His Highness Sheikh Hazza Bin Zayed Al Nahyan, Vice Chairman of the Abu Dhabi Executive Council.

TVET Innovation Week is a national platform that brings together experts, industry representatives, government leaders, entrepreneurs, policy-makers, researchers, students and educators to exchange ideas and expertise on a range of critically important themes in the various fields that make up Technical and Vocational Education and Training (TVET) in the 21<sup>st</sup> century.

The event aims also at informing prospective students about the advances in Technical and Vocational Education and Training (TVET) and the benefits of enrolling in this type of education. Most importantly, the initiative aspires to bridge the gap between industry and educational institutes through encouraging partnerships and presenting best practices and lessons learnt in this area.

This national event is directly aligned with the directives of the national agenda - Abu Dhabi Economic Vision 2030 which prioritizes the development of resilient infrastructure capable of supporting anticipated economic growth and developing a highly skilled and productive work force.

TVET innovation week consists of TVET Leaders Forum and the Discovery Experience.





## EXECUTIVE SUMMARY

Technical and Vocational Education and Training (TVET) has become an integral part of any nation's education and training system. UAE recognizes that a well-developed TVET system brings economic benefits and makes social, and cultural contributions to the development of the nation. Key features of a high-quality TVET system include its relevance and responsiveness to the changing needs of the economy, meeting the aspirations and learning needs of youth and working adults, and promoting the necessary skills, knowledge, and expertise needed for a more sustainable society and a greener economy, which is central to the achievement of the Abu Dhabi Economic Vision 2030.

The development of national competencies in engineering and industrial disciplines is a top priority for the UAE leadership as well as for ACTVET. The educational achievements of ACTVET and the hosting of annual events such as TVET Innovation Week, which comprises of "TVET Leaders Forum 2023" held at ADNOC Business Center in Abu Dhabi on 2<sup>nd</sup> February and the "Discovery Experience" event held at Applied Technology High Schools from 6<sup>th</sup> to 9<sup>th</sup> February across UAE showcase and affirm that the

country's development plan is moving towards greater heights and in the right direction.

Over 500 visitors, including students, parents, TVET professionals, industry leaders, government authorities and other officials attended the TVET Leaders Forum 2023 to be part of the innovative presentations, interesting panel discussions, and a unique "Innovation Fair" which showcased projects by students of ACTVET's institutions.

Discovery Experience event reached over 10,000 students, teachers, parents, community members, VIPs, government authorities from Ministry of Education and other organizations. It showcased over 300 Mini-expos, 90+ Career clinics and over 45 guest speakers. Discovery Experience provided an opportunity for the students to present their ideas, projects as well learn by participating in workshops and mini expos. They also learnt about the upcoming career paths that they can opt for. The parents and families also got to experience the kind of learning students have been part of and the opportunities they can have to build a career that can prepare them for the future.

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UAE recognizes that a well-developed TVET system brings economic benefits and makes social, and cultural contributions to the development of the nation





# // TVET LEADERS FORUM 2023 THE EVENT

TVET Leaders Forum connects the global TVET community, it brings together national and international leading experts and professionals within the TVET sectors to address the key challenges facing TVET and innovation, as well as enhance the quality of TVET and highlight its role in supporting the economy and encourage effective partnerships to bridge the gap between educational outcomes and needs of the labour market.

Over 500 people, including delegates, students, and members of the community, attended the TVET Leaders Forum 2023 at the ADNOC Business Center on February 2<sup>nd</sup>, organized under the theme “**TVET for All**”.

The event featured innovative presentations by industry experts, intriguing and engaging panel discussions, inspiring stories of our youth as well as a tour of unique and creative projects by our students at the “Innovation Fair”.

The forum this year focused on the following topics and starred both national and international speakers.

- **Technical Education and Future Jobs**
- **TVET for Changing World**
- **Inspiring Emirati Youth**

TVET Leaders Forum also celebrated the success of Emirati youth at the WorldSkills 2022 Competition.



<b>500+</b>	Attended the TVET Leaders Forum 2023	<b>WORLDSKILLS COMPETITION</b>  TVET Leaders Forum also celebrated the success of Emirati youth at the WorldSkills 2022 Competition.
<b>10+</b>	Creative projects by our students at the “Innovation Fair.”	
<b>6+</b>	Inspiring Emirati youth	





# Event Program



Thursday  
2<sup>nd</sup> Feb 2023



ADNOC  
Business Center  
Abu Dhabi



09:00 AM  
02:00 PM

التعليم التقني والمهني للجميع

# TVET FOR ALL



شريك استراتيجي  
Strategic Partner



Energy Sponsor

الراعي للطاقة

مؤسسة الإمارات للطاقة النووية  
Emirates Nuclear Energy Corporation



شركة بركة الخبز للوجبات  
Barakah One Company PUSC



شركة نواح للطاقة  
Nawah Energy Company



ACTVET  
Abu Dhabi Centre for  
Technical and Vocational  
Education and Training

مركز أبوظبي  
للتعليم والتدريب  
التقني والمهني

اسبوع التعليم التقني والابتكار  
TVET INNOVATION  
WEEK

2023

## TVET Leaders Forum

### Time

09:00 – 08:30

09:05 – 09:00

### Program

Registration

Official Opening & Welcome Speech  
**Dr. Mubarak Saeed AlShamsi**  
Director General, ACTVET

### First Session: Technical Education and Future Jobs

09:15 – 09:05

**H.E. Sarah bint Yousef Al Amiri**  
Minister of State for Public Education and Future Technology

09:25 – 09:15

**H.E. Mohamed Ali Al Shorafa Al Hammadi**  
Chairman of the Department of Municipalities  
and Transport

10:00 – 09:25

Innovation Fair Tour & Break

### Second Session: TVET for a Changing World

10:15 – 10:00

**Ms. Laurence Gates**  
CEO WorldSkills Europe - Board Member WorldSkills International

10:25 – 10:15

**Mr. Ismail Ali Abdulla**  
Director UAE Clusters –Mubadala  
Chief Executive Officer – Strata Manufacturing

10:35 – 10:25

**Mr. Naim Yazbeck**  
General Manager, Microsoft UAE

10:50 – 10:35

**Ms. Mervi Jansson**  
(CEO of Omnia Education Partnerships (OEP

11:20 – 10:50

**First Panel Discussion**  
**Moderator: Mr. Ali Al Marzouqi**  
President Emirates Skills at ACTVET

11:50 – 11:20

Break

### Third Session: Inspiring Emiratis Youth - Applied Technology High School Graduates

12:05 – 12:00

**Noof Eisa Al Shkeili**

12:10 – 12:05

**Mohamed Khalid Alkatheeri**

12:15 – 12:10

**Noora Khalid Al Messabi**

12-20 – 12:15

**Omair Yousef Al Marzooqi**

12:25 – 12:20

**Hanan Ahmed Al Shamsi**

12:30 – 12:25

**Abdulrahman Khalid Al Shehhi**

12:55 – 12:35

**Second Panel Discussion**  
**Moderator: Ms. Khulood Mohammed**

01:00 – 12:55

Closing





## // TVET LEADERS FORUM 2023 SPEAKERS

TVET Leaders Forum 2023 featured a meticulously selected panel of credible speakers who have expertise and experience in the TVET fields and helped the audience look at concepts and ideas with a new perspective. Speakers encouraged the audience to embrace the anticipated change in the TVET industry, outlined the various opportunities available in the sector, and embedded their life stories or anecdotes which made the presentations memorable and compelling.

## // FIRST SESSION

# TECHNICAL EDUCATION AND FUTURE JOBS



One of the biggest challenges for educational institutions today is how to prepare students for the 21<sup>st</sup> century. For decades, the educational system has focused on preparing students to fill pre-existing jobs with common skills taught by experienced teachers but with the rapid advancement of technology and automation as well as the changing landscape of the workforce, it is more important than ever for students and youth to have access to an educational system that will help them develop specific skills needed to be future-ready.



## SPEAKERS

### H.E. Sarah bint Yousef Al Amiri

Minister of State for Public Education and Future Technology

H.E. Sarah congratulated the winners and ACTVET for their achievement in the WorldSkills Competition and for the continuous effort to support Emirati youth in the TVET sector.

She accentuated that the strategy of the UAE Ministry of Industry and Advanced Technology is aligned with a comprehensive national program that aims to drive industrial growth in the UAE – doubling its GDP contribution by 2031. This is possible by stimulating innovation and adopting advanced technology in the industrial ecosystems and by building a skilled and technologically advanced workforce.

H.E. Sarah suggested that even though it may be challenging to predict the future skill requirements with absolute certainty, it is crucial to develop the key anticipated skills required in industries that strategically align with UAE's vision to create a diverse and sustainable economy such as renewable, nuclear and clean energy as well as other future skills offered by ACTVET.

She said that “We have one goal which is to support UAE in diversifying its economy by increasing industrial growth and the competence of UAE nationals who are the main drivers of the country, by supporting them and providing them resources they need to succeed and be ready for the future.”

Lastly, she added that “TVET skills development does not end in the classroom, training centers or in offices, it is a continuous process of lifelong learning that will help build a knowledge economy.”



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## SECOND SESSION

# TVET FOR CHANGING WORLD



Far from being the weakest link in education systems, TVET is emerging as a cornerstone for the transformation of education and training. Indeed, the development of skills through TVET is now one of the most often-cited priorities for countries around the world. Maximizing the contributions of TVET for social and economic development requires that we create a more diverse conception of TVET, encompassing a multiplicity of purposes, providers, settings, and learners. Also, establish partnerships, networks, and alliances with various stakeholders in different countries to broaden the opportunities of knowledge and experience sharing.



## // SPEAKERS

### **Ms. Laurence Gates**

CEO, WorldSkills Europe

Board Member, WorldSkills International

Ms. Laurence Gates brought back recollections of the WorldSkills Competition 2022 and demonstrated how they handled the pandemic time differently while continuing the competition and skills development.

She also affirmed the WorldSkills Competition is not an exam, but rather a reflection of what happens in the industry. Therefore, it is important to strengthen the occupational standards in order to meet those needs. A “WorldSkills Occupational Standards Development Center” was established in Finland last year to improve their guidelines to produce test projects, evaluate competitors, foster industry collaboration and relationships, enhance skills portfolio to mirror industry requirements, and have robust standards that are benchmarked against excellence vs competence.

WorldSkills is also actively assisting in the improvement of TVET systems across the world and especially in Africa by cultivating a strong regional ecosystem, facilitating access to high-quality learning materials, tools, and technology for startup acceleration, dedicated coaching, mentoring, and customized support.

They are dedicated to improving the equity, diversity and inclusivity, bringing more women into TVET and thereby into the workforce across the globe. Also, ensuring that the diaspora of the country reflects the participation in the competition and that the doors are open wide to diverse competitors.

Lastly, she said that “WorkSkills Competition is more than just a competition, it is a tool that every country can use to reach their TVET system goals and build a skilled, diverse and inclusive workforce as they believe that skills have the power to change the world.”



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WorldSkills Competition is more than just a competition, it is a tool that every country can use to reach their TVET system goals and build a skilled, diverse and inclusive workforce as they believe that skills have the power to change the world



## SPEAKERS

### **Mr. Ismail Ali Abdulla**

Director UAE Clusters, Mubadala  
Chief Executive Officer, Strata Manufacturing

Mr. Ismail Ali Abdulla commented that a number of investment powerhouses were established in the UAE in line with the vision of His Highness Sheikh Zayed bin Sultan Al Nahyan who stressed on the importance of building a robust and sustainable economic foundation that is independent of hydrocarbons. Mubadala Investment company – Strata Manufacturing was once such a powerhouse that ventured into many industries, one of them being the aerospace industry, producing parts for Airbus and Boeing and collaborating with Mohammed Bin Rashid Space Centre to create satellites.

He also revealed that, despite 2020 being a difficult year, Strata Manufacturing was able to meet all of its milestones as well as develop new facilities for manufacturing bio pharma products.

According to him, “Talent is Strata manufacturing’s most valuable asset, and they believe in nurturing their talents. 64% of their employees are UAE nationals and 53% are women, the highest in the aerospace industry”. He said that “While it may be simple to set up a manufacturing facility and somewhat challenging to recruit partners, developing a pipeline of talented and skilled workers who are prepared to support the growth that the UAE will experience over the next three to five years is what is most crucial.”

He concluded that “Youth today are fortunate that the country is investing in them and providing abundant opportunities for those who are willing to put up the effort and believe in giving back to the country by developing themselves.”



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Youth today are fortunate that the country is investing in them and providing abundant opportunities for those who are willing to put up the effort and believe in giving back to the country by developing themselves

## SPEAKERS

### **Mr. Naim Yazbeck**

General Manager, Microsoft UAE

The COVID-19 pandemic, according to Mr. Naim Yazbeck, put us all to the test and changed our perception of the skills required for the future. He mentioned that “During the early pandemic days, UAE government approached Microsoft to shift more than a million students and teachers to online learning within two weeks, and this was only possible because of the advancement of technology compared to 10 years earlier.”

He also emphasized the need for people working in domains like humans resources, finance, sales, etc. to be technologically savvy in order to keep up with the innovations. He said, 40% of companies today believe that education systems are not aligned with the industry requirements. The Education sector and youth should focus on future skills such as Blockchain, Cloud Computing, Analytical Reasoning, Artificial Intelligence and so on to ensure they are well prepared for the future.

He reiterated that because technology will alter how we work, how customers interact with us, and how we think about education, Microsoft is committed to supporting organizations like ACTVET that are uniquely positioned to be able to improve curriculum that conforms to the changing environment.

Finally, Microsoft is committed to support the education system and has launched “Imagine Cup”, a platform to empower student innovators and entrepreneurs in the UAE, winners of this competition will proceed to international level. The Imagine Cup provides opportunities to gain new skills, access exclusive training, unlock mentorship, and a chance to win great prizes and make a difference in the world.



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40% of companies today believe that education systems are not aligned with the industry requirements



## SPEAKERS

### **Ms. Mervi Jansson**

CEO, Omnia Education Partnerships (OEP)

Considering the majority of industry sectors are undergoing rapid change and disruption, Mervi Jansson underlines that being exceptional or world leaders today may not be enough to ensure that we have a competent workforce for the future. The key concerns are - what is TVET's purpose and how do we ensure it stays relevant.

Today, excellence in TVET is mostly about state-of-the-art infrastructure, nice campuses, human resources, pedagogy, quality systems and processes, data collection, and stakeholder collaborations, but it may be not enough for the future as verticals like – greening, digitalization, and innovation that can change the landscape of the industry.

Therefore, she said the key question is “Can we create immersive TVET learning environments and standardized competence assessments for global use?”

We can do this by using digitalization and technologies such as Virtual Reality, Artificial intelligence, and Metaverse to make TVET more inclusive, immersive, and in sync with the ever-changing industry trends. This also can change the methodologies and processes of the skills competition. TVET learners can use Virtual Reality to boost their competence and efficiency to drive real-world solutions which is also a desired quality required by the majority of hiring companies. Metaverse can make it possible to mimic real-life scenarios, provide unlimited repetition and learning in a cost-effective and a sustainable manner. Teachers can be given a new role by helping them with AI technology to make assessments transparent and scalable.

She concluded that “Technologies are all about partnerships and innovation and will disrupt learning as we know it today.”



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Technologies are all about partnerships and innovation and will disrupt learning as we know it today

## THIRD SESSION

# INSPIRING EMIRATI YOUTH



UAE youth are our nation's wealth and the most valuable resource to achieve our ambitious progression in all aspects and develop a sustainable economy. The younger generation has been a core part of UAE's leadership's vision for the future. UAE is committed to empowering the young Emirati men and women to pursue academic excellence which would enable them to contribute to its growth. Investing in youth has long been a primary focus for the country and providing resources, tools, educational programs and initiatives have always been a top priority.

In line with UAE 's vision, ACTVET provides the opportunity to develop skills by conducting extensive training programs and avenues to participate in competitions like EmiratesSkills and WorldSkills.





## SPEAKERS

### Noof Eisa Al Shkeili

Fatima College of Health and Sciences Graduate

Gold Medal Winner in Healthcare and Social Care, WorldSkills 2022

In the 2022 WorldSkills Competition, Nouf Eisa Al Skheli, a graduate in nursing from Fathima College, won a Gold medal in the Healthcare and Science skill and made her country proud.

She found it hard to imagine that someone as quiet and introverted as she was could ever accomplish this. In her early years, she overcame her timidity and hesitation by taking part in volunteer programs at events like the Olympics, Saha centres, and other similar venues. She also joined a public speaking competition, where she even won a bronze medal for third place while being among the youngest competitors.

Her journey to prepare for the WorldSkills Competition 2022 started with competing in the EmiratesSkills National Competition in the Health and Social Care, then went on to compete in EuroSkills and was placed third. She trained diligently with an expert for five months in order to be ready for the WorldSkills Competition. She had to juggle between her studies at Fatima College, visiting patients, examinations, and training for the competition for over 12 hours a day. She recalls that “It was one of the most difficult times of my life, but I knew it was worth it to achieve my goal of winning a Gold Medal.”

She is grateful for the support she has received from her country, its leaders, her family, her trainer and ACTVET, and she intends to keep advancing in her profession in the same field while also helping patients and future participants.



It was one of the most difficult times of my life, but I knew it was worth it to achieve my goal of winning a Gold Medal



## SPEAKERS

### Mohamed Khalid Alkatheri

Student at UAEU, Majoring in Electrical Engineering

Medal of Excellence Winner in Industrial Control, WorldSkills 2022

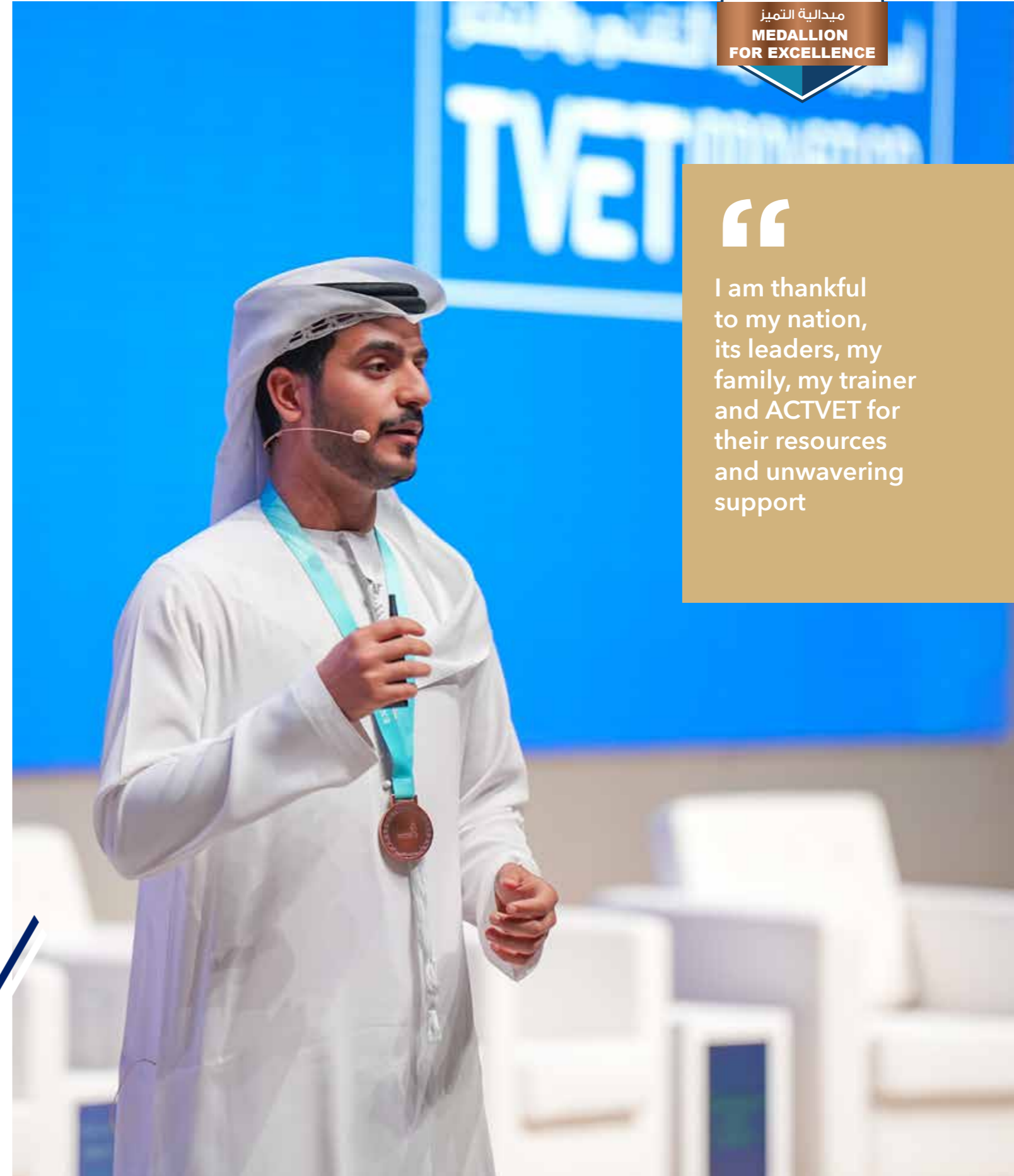
Mohamed Khalid Alkatheri was inspired by a story about Thomas Edison, one of history's greatest inventors, when he was seven years old. Thomas Edison was a young boy who was bullied and laughed at, and the only person who believed in him was his mother. Mohamed then made up his mind that he wanted to follow in Edison's footsteps and make his mother, who dearly supported him, and his country proud.

Mohammed is currently a student of Electrical Engineering at UAEU. He participated in EmiratesSkills National Competition in 2017 and with his continuous hardwork and efforts he was able to win "Medal of Excellence" in Industrial Control in the WorldSkills Competition 2022. His training experience is similar to Edison's, where he faced difficult training and time management challenges and even had to suspend his studies for 10 months to prepare for the competition, but he never gave up and was able to earn a medal and uphold his nation's honour.

Expressing gratitude, he said "I am thankful to my nation, its leaders, my family, my trainer and ACTVET for their resources and unwavering support." In order to win a gold medal and become the first Emirati to accomplish so, he intends to continue practicing in his discipline.



I am thankful to my nation, its leaders, my family, my trainer and ACTVET for their resources and unwavering support





## SPEAKERS

### Noora Khalid Al Messabi

Trainee at Emirates Global Aluminum

Medal of Excellence Winner in Mechanical Engineering, WorldSkills 2022

Noora's quest began when she decided to major in Electrical Engineering at ATHS school, where she graduated with distinction and went on to continue her education in the same field. She was greatly motivated and inspired by Emirates Skills National Competition in one of her visits to the competition and decided to enter the national competition and won the silver medal. She subsequently participated in a few friendly competitions before going to WorldSkills, where she took home the Mechanical Engineering Medal of Excellence.

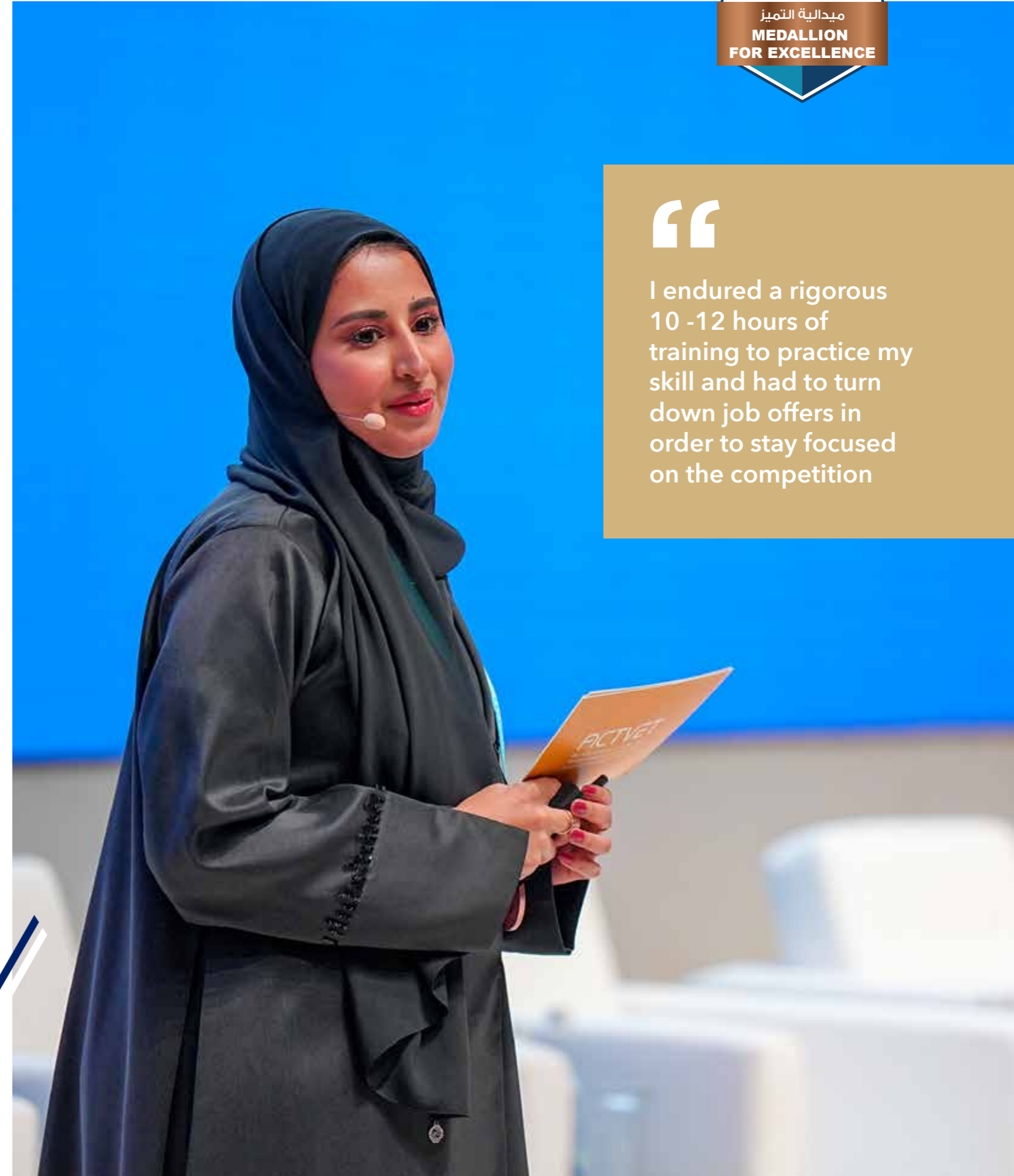
It was not an easy task to prepare for the WorldSkills Competition, she had to put in a lot of time while managing her academics and personal life to prepare for the WorldSkills competition. She said that "I endured a rigorous 10-12 hours of training to practice my skill and had to turn down job offers in order to stay focused on the competition."

She aspires to advance professionally, help UAE in developing its industrial sector, and make a positive contribution to society by continuing to work and study in the same industry. She is appreciative of the encouragement she has received from her country, family, trainer, and ACTVET in these endeavours.



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I endured a rigorous 10-12 hours of training to practice my skill and had to turn down job offers in order to stay focused on the competition



## SPEAKERS

### Omar Yousef Al Marzooqi

Designer at Masar Technologies

Student at Al Ain University, Majoring in Mechanical Engineering

Medal of Excellence Winner in CNC Milling, WorldSkills 2022

Mechanical engineering graduate from ATHS, Omar Yousef Al Marzooqi won a Gold Medal in CNC Milling at the Emirates Skills National Competition and a Medal of Excellence in the WorldSkills Competition 2022. He expresses gratitude to his nation, its leaders, his family, his trainer, and ACTVET for giving him the resources he needed and for investing in him to help him to help him hone his abilities.

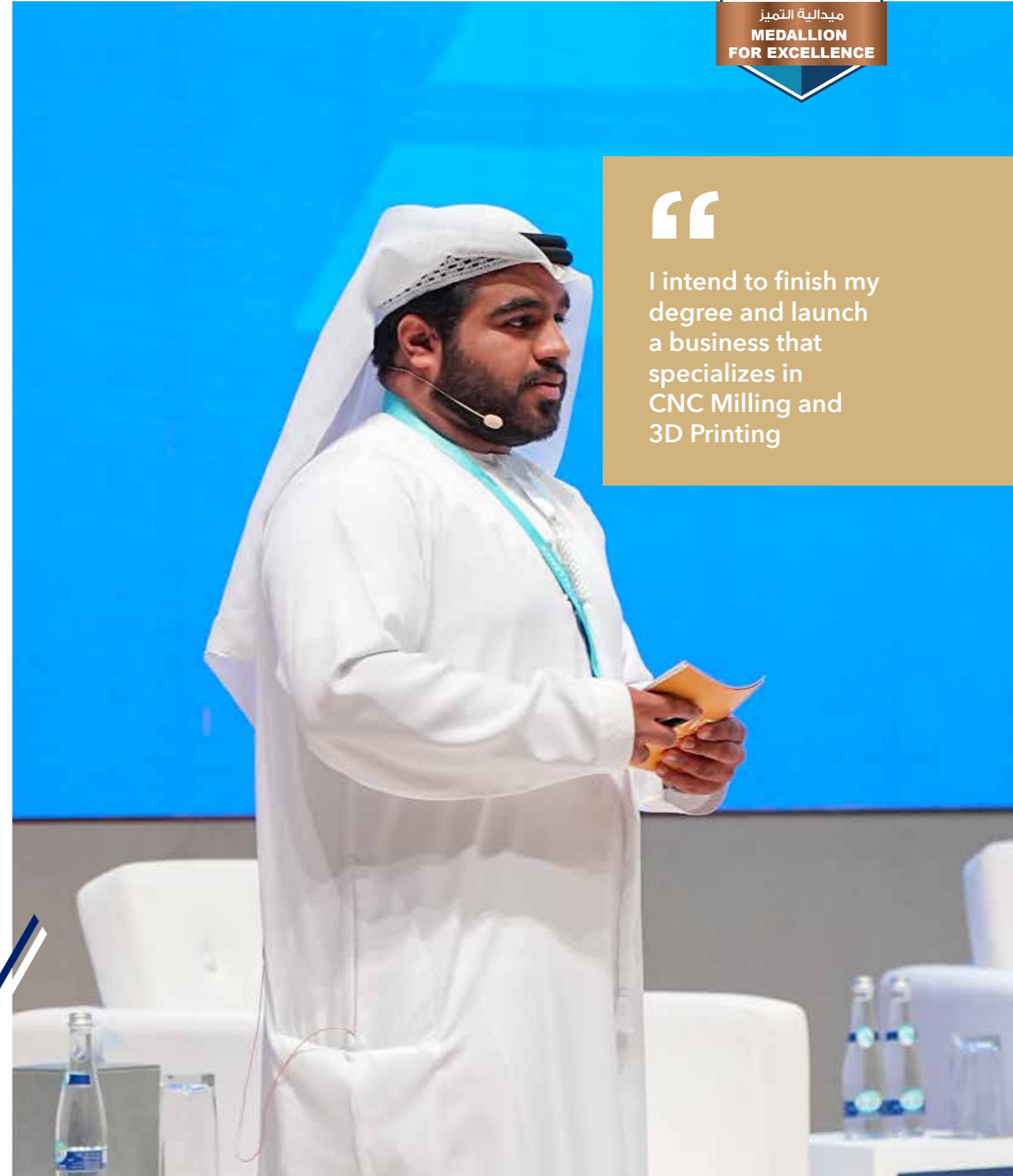
His two years and two months of training to get ready for the WorldSkills competition was quite demanding, especially since he had to drive two hours to Abu Dhabi for training while also managing his own business and attending Al Ain University. He said "I had to make the difficult choice to put my business and studies on hold for nine months in order to stay focused on the competition."

Lastly, he said that "I intend to finish my degree and launch a business that specializes in CNC Milling and 3D Printing."



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I intend to finish my degree and launch a business that specializes in CNC Milling and 3D Printing





## SPEAKERS

### Hanan Ahmed Al Shamsi

Sr. Officer, Skills Development at ACTVET

Medal of Excellence Winner in CNC Turning, WorldSkills 2022

Hanan Ahmed Al Shamsi, an AHS Computer Science graduate, had a passion for CNC Turning, so she entered the EmiratesSkills National Competition and won a Gold Medal. This further motivated her to compete EuroSkills and subsequent friendly competitions before she won a Medal of Excellence in CNC Turning at the WorldSkills 2022 Competition. She expresses gratitude to the government, her family, her trainer, and ACTVET for helping her reach this goal.

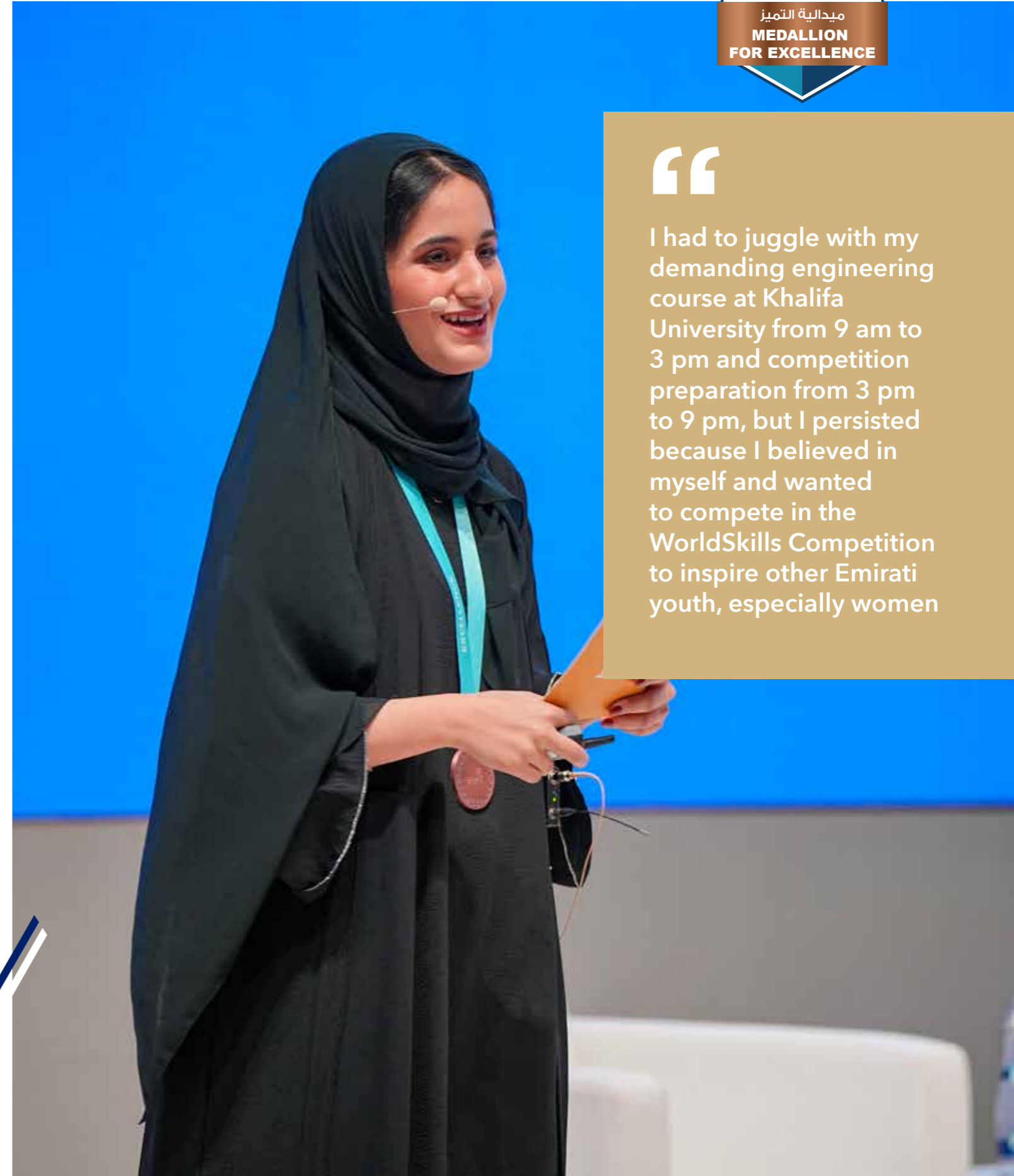
After college, she would train for more than 12 hours a day; her training sessions were methodically organized with daily goals and deadlines. She said “I had to juggle with my demanding engineering course at Khalifa University from 9 am to 3 pm and competition preparation from 3 pm to 9 pm, but I persisted because I believed in myself and wanted to compete in the WorldSkills Competition to inspire other Emirati youth, especially women.”

She wants to keep motivating young people in the UAE to pursue TVET careers, help aspiring students, and boost the local economy.



“

I had to juggle with my demanding engineering course at Khalifa University from 9 am to 3 pm and competition preparation from 3 pm to 9 pm, but I persisted because I believed in myself and wanted to compete in the WorldSkills Competition to inspire other Emirati youth, especially women



## SPEAKERS

### Abdulrahman Khalid AL Shehhi

Khalifa University Graduate

Medal of Excellence Winner in Electrical Installations, WorldSkills 2022

Abdulrahman's passion for Electrical installation started when he opted for Electrical engineering at Khalifa University. He won a Silver Medal in the Emirates Skills National competition and was placed 9<sup>th</sup> in the WorldSkills 2022 Competition earning a Medal of Excellence in Electrical Installations.

He trained for 10 to 12 hours, which was very difficult to handle together with his demanding studies at Khalifa University. He worked extremely hard throughout the year, which was one of the toughest for him. He remembered that "I used to have an hour break from training, which I spent in attending a lecture at Khalifa University. No matter how much effort was needed, I never gave up and remained committed to my goals since my larger purpose was to be able to help make my country proud."

He wants to impart his knowledge to others in this field as well as keep improving his abilities. He aspires to start his own firm and see it through to success. He is very appreciative of his government's investment in him, his family, his trainer's support, and ACTVET's for giving this opportunity.



“

I used to have an hour break from training which I spent in attending a lecture at Khalifa University. No matter how much effort was needed, I never gave up and remained committed to my goals as my larger purpose was to make my country proud



## /// PANEL DISCUSSIONS



**Mr. Ali Al Marzouqi**  
President , EmiratesSkills  
Panel Moderator

Mr. Ali Al Marzouqi led an interesting discussion with the speakers of the second session by asking key questions on ways to improve the quality of TVET system in the changing world, what the job market will look like in future, what are the most critical changes that we must make to face the future effectively among others, that had some solid recommendations from the industry experts that could be actioned upon.



**Ms. Khulood Mohammed**  
Head of Marketing, ACTVET  
Panel Moderator

Ms. Khulood had a heart felt conversation with the speakers of second sessions who are the winners of WorldSkills 2022, about their journey, the effort required to participate and succeed in skills competitions, the significance of these competitions and how have they contributed to them. She was able to bring out suggestions from the speakers to not only improve the competitions but also motivate Emirati youth to participate in future.

## /// MASTER OF CEREMONY



**Fatima Ali Al Shehhi**

Student (Applied technology High School (ATHS))

**Salem Ali Al Marzooqi**

Student (Applied technology High School (ATHS))

Salem Ali Al Marzooqi and Fatima Ali Al Shehhi, the Grade 12 students of Applied technology High School (ATHS) were the Masters of Ceremony for the event. They kicked off the event by referring to a script and did an excellent task of delivering the agenda. They were articulate and eloquent which kept the audience engaged and interested in the event.



## // INNOVATION FAIR AT LEADERS FORUM

The Innovation Fair, showcased the creativity and innovation of WorldSkills competitors, grade 10 - 12 students from ATHS and other ACTVET institutions was informative, engaging and fun not only for the learners but for the visitors. It was primarily an opportunity for young innovators to present and share their work. It gave parents, families and other guests the opportunity to experience the kind of learning students have been a part of. This year, the Innovation Fair had four skills, namely Industrial Control, Health and Social Care, Junior Mobile Robotics and CNC Turning.

## // INDUSTRIAL CONTROL

Students from ATHS and other ACTVET institutions along with the Industrial Control expert showcased projects on installing cables, instruments and control centres, circuit design and programming using the latest automation technology and equipment.



## // HEALTH AND SOCIAL CARE

Grade 12 female students from ATHS and other ACTVET institutions demonstrated their nursing skills such as dealing with injuries, wound closure and suturing, injection administration as well as measured the vital signs such as body temperature, pulse rate, respiration rate and blood pressure of the guests and students.





## JUNIOR MOBILE ROBOTICS

The two groups of grade 8 and 9 students from AHS and other ACTVET entities demonstrated how to program a robot to perform certain tasks based on the input it receives from different sensors.



## CNC TURNING

Students from AHS and other institutions explained to visitors about functioning of CNC machine and its usage. They also showcased the parts and products they created.





# DISCOVERY EXPERIENCE

Discovery Experience comprises of several events such as open days, mini-expo, workshops, career clinics and seminars which provides students with exceptional insights into new TVET programs and careers. Over 100 organizations, 60+ schools joined us for the Discovery Experience.

This year, Discovery Experience, which was hosted at Applied Technology High School campuses across all UAE emirates, from 6<sup>th</sup> to 9<sup>th</sup> February 2023, had phenomenal participation from students, teachers, parents, community members, VIPs, government authorities from Ministry of Education and other organizations. It showcased over 300 Mini-Expos, 90+ Career clinics and over 45 guest speakers. Discovery Experience provided an opportunity for the students to present their ideas, projects as well learn by participating in workshops and mini expos. They also learnt about the upcoming career paths that they can take. The parents and families also got to experience the kind of learning students have been part of and the opportunities students can have to build a career that can prepare them for their future.

## Event Details:

### DISCOVERY EXPERIENCE

Timing: 09:00 AM to 02:00 PM

06  
FEB

#### ATHS Campus

- Abu Dhabi Baniyas
- Ajman
- Dubai

07  
FEB

#### ATHS Campus

- Abu Dhabi
- Falaj Al Mualla
- Al Ain Al Aqabiya

08  
FEB

- Sharjah (ATHS Campus)
- Fujairah (ATHS Campus)
- Abu Dhabi (ATHS Female Campus)
- Al Jaheli Institute - Al Ain (ADVETI Campus)

09  
FEB

- Al Dhafra Region (ATHS Campus)
- Ras Al-Khaimah (ATHS Campus)
- Al Ain TBMEC (ATHS Campus)
- Baynounah Institute (ADVETI Campus)





## MEDIA COVERAGE

TVET Innovation week was covered by the leading publications such as Khaleej times, Gulfnews, Al Bayan, Al Watan, Al Wahda, Al Fajra, Emirates Local News Agency, WAM publications and many others. Over 50 journalists covered the event taking photographs, bytes and interviews from VIPs and Gold Medal Winner – Nouf Eisa Al Shkeli.

Event was also covered on ACTVET's social media platforms such as Intagram, Twitter, Facebook, Snapchat, Telegram, LinkedIn and YouTube.

Bawabat Al Sharq Mall was the community sponsor for TVET and supported with screen displays in the mall and social media posts and stories.

## SPONSORS

ACTVET is grateful to the sponsors of TVET Innovation Week 2023 to make this event successful.

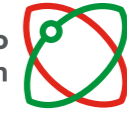
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