

MAKING LEARNING INTERESTING

Ministry launches improvements to learning gamification methodology

THE PENINSULA — DOHA

The Ministry of Education and Higher Education has launched new improvements to learning gamification methodology with the start of the second semester. In order to enhance the features provided by it and maximise the benefits it accrues to students and their academic achievement.

The Ministry had launched learning gamification strategy on Qatar Education platform at the beginning of the current academic year 2022-23, through the "Subject Stars" game, which had a noticeable

positive impact on students' interaction with educational resources, assessments given to them in subject classes, and completion of required tasks.

Learning gamification strategy motivates and encourages students to learn by rewarding them with points, badges, and certificates for completing tasks such as watching the video lesson, completing the assessment, watching the presentation, and other tasks, as the system provides a leaderboard in each study subject that appears.

Students compete by collecting the points assigned to

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them by the subject teacher based on their completion. Students are also given personalised badges and certificates at school to motivate them (behavioural — skill — cognitive).

edutainment methods, through two games where points are calculated uniformly for students and teachers, and works automatically within the system without human intervention.

It was observed how teachers and students interacted with the new experience.

The student competes with a new group of students at the same academic level in the same school on a weekly basis, and the teacher competes with a new group of teachers in the same school on a weekly basis. Every Sunday morning,

the groups are updated, and at the end of each week, the competitors within each group are divided into three categories based on the total points obtained for one week only, and response time.

The first category progresses to the next level. The second category remains at the same level. The third category goes to a lower level. The game contains 20 consecutive levels, and the user gets different badges when he reaches those levels: Level 4 — Bronze Badge, Level 8 — Silver Badge, Level 12 — gold badge, Level 16 — Pearl Badge, Level 20 — Diamond Badge.

CONTINUED GROWTH

2022: A year that spells success for QA Cargo

THE PENINSULA — DOHA

With an overall tonnage of more than 17 million tonnes in 2022, Qatar Airways Cargo can boast an impressive growth last year.

Qatar Airways Cargo serves more than 170 destinations, of which 70 have a dedicated freighter service, ten more than in the pre-COVID-19 period.

In 2022, Qatar Airways Cargo successfully managed a broad range of demanding shipments. With an overall 84,000 tonnes of pharmaceutical products transported, including 4,000 tonnes of vaccines and over 1200 tonnes of COVID-19 vaccines, the cargo carrier has maintained its strong engagement in helping curb the pandemic.

Moreover, providing safe transportation of 12,600 horses has confirmed its leading position in this field. Qatar Airways Cargo has also achieved a considerable number of charter operations with more than 1,400 charter flights last year, which includes charters for e-commerce, exotic animals, music band tours and FIFA related activities.

By applying its Next Generation vision to all areas of its business, it has brought enhancements to its services and sharply accelerated its digital transformation. In that respect, another key event in 2022 was the launch of the Digital Lounge, Qatar Airways Cargo's new web

platform, designed to provide a more streamlined and personalised booking experience to customers. As part of the carrier's omni-channel strategy, the platform offers users direct access to the main three bookings platforms of the industry.

Guillaume Halleux, Chief Officer Cargo at Qatar Airways Cargo, said: "We are really proud of all that we accomplished in 2022. Launching The Next Generation has allowed us to bring an exciting new perspective to our customers. This truly represents a milestone in our development and in the way Qatar Airways Cargo is doing business."

"We are grateful to our customers for their long-term trust and loyalty, and we will endeavour to preserve these relationships in the future. We are also thankful to our great teams for their dedication and hard work. With a motto such as 'Moved by People', Qatar Airways Cargo

has always been aware of the major role played by its team in achieving success and is committed to promote it."

This commitment resulted in the launch of two major WeCare chapters in 2022. Chapter 3, Let's Stand Together, consisted of organising the collection of donations for children; as for Chapter 4, Diversity, it was a spectacular celebration of the carrier's highly diverse team in the form of a lively showing some of their faces.

Environmental sustainability and decarbonisation are central to Qatar Airways Cargo's corporate strategy. In 2021, it was the first cargo carrier to join the International Air Transport Association's (IATA) CO2CONNECT platform. In 2022, it launched an online CO2 emission calculator for customers to determine their shipments' carbon emissions.

Qatar Airways Cargo is currently working on the development of a fully integrated carbon offsetting tool on its Digital Lounge portal which will offer customers an option to offset their shipments as part of the booking process.

IATA certifications being so essential to vouch for best practices in the industry, completing the IATA IEnvA Stage 2 re-certification was a real asset for Qatar Airways Cargo especially since it was the first airline in the Middle East to obtain this environmental certification



back in 2017.

In addition, it was also one of the first airlines to gain the CEIV Lithium Batteries certification which came as a rightful recognition of its active involvement in this matter.

Ending the year on a high note, Qatar Airways Cargo won Air Cargo Week's Cargo Airline of the Year award for the second year in a row and received the Development2030 Corporate Social Responsibility Program of the Year at Aides 2022.

Waste management, why it's important and how it works

Whether you're overseeing the operation of a company or an entire city, waste management is paramount. Waste management has an impact on many parts of our lives, including public health and cleanliness. Read on to find out more about waste management, its importance and how it works.

What is waste management?

Waste management refers to the process of ensuring that all waste is disposed of safely and responsibly. This includes organising the right machinery to deal with the waste, organising the rotas and schedules of waste management staff and establishing a logistical chain that disposes of all waste in the most appropriate manner. Waste might refer to a wide range of materials, products, and items, including packaging and food waste to industrial and mechanical waste.

Why is waste management important?

Waste management is important for several reasons, the first of which is that it keeps premises and public areas clean and tidy. A clean and tidy environment is where people want to be, so locations with good waste management will benefit from more tourism. This is the case in Qatar, which has focused greatly on public improvement in upcoming events.

Another significant benefit of waste management is that public health improves. Consider a factory, for example. Good waste management means that excess chemicals and materials are taken away from the factory floor, which reduces the risk of accidents on the property and increases the health of workers that spend less time next to waste. But waste that is disposed of safely also means that fewer chemicals are being released into the atmosphere and fewer new products are being manufactured, reducing the amount of pollution in the air.



How does waste management work?

The way that waste management works can vary depending on the type of waste in question. For the sake of this example, we'll discuss general waste such as litter and rubbish. The first step in this waste management process is gathering the waste. In public, councils and authorities place bins on streets to collect people's waste, encouraging them to dispose of it responsibly rather than dropping it on the ground. This significantly speeds the process up, as the public does a large part of the job out of civic pride.

After this point comes the logistics. This includes having staff members empty the bins and then transport all waste to the relevant recycling centers. Once the waste has been sorted, all recyclable waste will be distributed and reused, while the remainder will end up in landfill. While this isn't ideal, the amount of waste being dumped in landfill has significantly dropped in recent years.

Waste management technologies in airports

Airports make use of several waste management technologies. By balancing these technologies, airports become completely clean environments and remove the risk of contamination on the property and make the quality of life within the airport far higher. Some of these technologies include:

Airport design and sustainability

The focus of the inside of an airport's design makes a significant difference to the standard of waste management inside the airport. Airports are reliant on having plenty of receptacles in place for people to use when disposing of waste, and the earliest stages of design are an ideal point for this. By planning ahead of time for basic utilities such as waste management solutions,

airports increase their chances of resolving waste management issues quickly. This is also the case in any further redesigns and when planning any and all adjustments to terminals, with waste playing a significant role in the way that people perceive airport terminals.

CCTV systems and sensors

Knowing exactly where waste is and the role it plays throughout the airport is an underlying feature of the waste management process. Understanding waste's location means that the airport sends maintenance people out to the right places at the right times, and having items such as weight sensors in receptacles means that airports know when individual bins are full. This is ideal for airports at peak traffic times, as having a rota in place may not be enough to empty bins at the right time. Introduce smart technology and solutions into the waste management process and gain a significant competitive edge.

Maintenance staff

More effective use of maintenance staff is one of the most significant tools an airport has available to it. Maintenance crews are responsible for completing some of the more important tasks in the airport, which includes maintaining a pleasant atmosphere for all of the passengers that are taking flights that day. By working in tandem with other systems, maintenance crews react to waste accumulation and collect it, removing it from public spaces and keeping the terminal clean and tidy throughout busy traffic.

If you're interested in learning more about how waste management systems work and how to apply them in a range of organisations, contact the bayanat Engineering Qatar team today. We offer a number of services that can support industries in Qatar and beyond to learn more you can visit our website <https://www.bayanatengineering.qa/>.



Dr. Mohamed Althaf, Director of Lulu Group International, receiving the carbon neutral certification from the Clean Globe officials.

ENVIRONMENTALLY RESPONSIBLE

Lulu outlet becomes first carbon neutral hypermarket in GCC region

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Lulu Group has expanded its sustainability stewardship by obtaining carbon neutral certification for its Al Meshaf store.

The store becomes the first carbon neutral hypermarket in the GCC.

The carbon neutrality for the store has been achieved in accordance with the UK's PAS 2060 standard by following detailed process including carbon management plan, reduction of carbon emissions and offsetting of the remaining emissions.

Lulu Hypermarket, the retail division of Lulu Group International — the multinational conglomerate — has always been known as a trend setter of the retail industry in the GCC

region. Lulu's operations cover business divisions in retail segment for the popular hypermarket brand, shopping mall destinations, food processing plants, wholesale distribution, hospitality properties, and real estate development.

Dr. Mohamed Althaf, Director of Lulu Group International, said: "We are delighted to achieve the carbon neutrality status for Lulu's Al Meshaf branch. We operate as an environmentally conscious one-stop shop for daily essentials and unique product offerings for a multi-ethnic client profile living in and around the area."

"This remarkable achievement is the result of the unwavering commitment of Lulu Group to circularity in our business and has been the result of various path-breaking

initiatives undertaken by our store", he added.

Dr. Althaf has been instrumental in driving the sustainability agenda in Lulu Qatar, along with an amazing and enthusiastic technical team.

Clean Globe Consultancy has supported the Lulu Group to achieve this accolade. Lulu currently operates 22 outlets in Qatar and is committed to be more sustainable and climate friendly across all its value chain. The recipient of the Sustainability Award 2019 at the Qatar Sustainability Summit, and as leading retailer exercising sustainable best practices, Lulu paved the way in its commitment to sustainability by taking real and demonstrable measures to protect the environment and contribute to reducing carbon emissions and food waste.

RAISING AWARENESS ON SUSTAINABILITY

Municipality holds workshops for KG students

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Al Daayen Municipality, as a member of the Unesco Global Learning Cities Network, organised awareness workshops for students of Al Khor Model Kindergarten on the importance of agriculture

and recycling over two days.

The workshop included various activities to raise awareness on sustainability through a plastic and paper recycling workshop, a seasonal flower planting workshop, a waste sorting corner, an introduction to recycling containers,

and an awareness video about recycling.

Gifts were also distributed to the participating students. Al Daayen Municipality is keen to organise such events to enhance its role as the socially responsible Arab city for the year 2023.