

Organization: American Society for Quality (ASQ)

Award: Best Application of Quality Concepts to Future Cities

Description: Outstanding application of design or quality of air, water, and life.

City Name/School: Naveekaran/Esmond Station K-8

Please respond to each question 100 words maximum.

Do you know that that Quality has many facets in everyday life? Examples: Nurses - do you want there to be no mistakes? Pharmacy - do you want all prescriptions to be exactly what the doctor wants? Banking - do you want to have all banking transactions to be accurate?

Aerospace - do you want airplanes to be made with the precision that the engineers (tooling, material, processes, etc.) specify? Quality Assurance successfully performs these functions in a large amount of industries.

1. Do you mention Quality in your presentations? Please specify.

Our presentation mentions quality a few times throughout. In the beginning, we mention how the water quality in Naveekaran used to be dangerous and unhealthy. We as a team implemented the HSC system which takes any dirty water, sends it through a system of Ultra Violet lights which purifies it. HSC stand for Hydrovascular Siphonation Carriers. We also mention the air quality. New Delhi (Naveekaran before renovation) was one of the most polluted cities in the world and it greatly affected the citizens of our city by lowering life expectancy. Now, Naveekaran has clean, healthy air thanks to reduction of harmful gases into the environment.

2. Do you mention things that infer that there are checks to verify quality?

Every year, scientists check the air quality and water quality by using chemicals that show the PH levels in the environment. If the results are not up to Naveekaran's standards, engineers raise the intensity of the HSC filters until satisfactory results are achieved.

3. Describe where these concepts are displayed on your scaled model.

The scale model of Naveekaran features an up-close pullout model of the HSC filters so you can better understand the system used. There is also a pullout model of the DNA pod transportation, which is a pollution-free transportation system powered by Naveekaran's environmentally friendly power source.

4. Is there any other information you would like the organization to know about your Future City for consideration of this award?

All of the features in Naveekaran are powered by a pollution-free power source, which has lowered the overall pollution levels by immense numbers. Also, lowering the amount of harmful toxins released into the air has prevented several of the indigenous plants and animals in Naveekaran from going extinct.