# CUBE and the winning student submissions from the 2023 edition

The Challenge for the Urban and Built Environment (CUBE) is an annual five-day workshop and competition for junior college, polytechnic and Institute of Technical Education students to gain first-hand experience as urban planners. Each CUBE edition is supported by architects, industry experts and student facilitators from the National University of Singapore's Department of Architecture to help the students gain real-world insights into the world of urban planning and design.

# **Outstanding Awards for CUBE 2023**

# Eco-industrial takes off (Eunoia Junior College)

Whether by boat, a skywalk or flying fox, we hope this future industrial site can enjoy a series of seamless and fun transport connections throughout. The landmark Jurong Hill Tower can be retained, and unique hawker dining experiences could be introduced around it. Hightech farms can also be included in this area to help enhance Singapore's food security.



Bottom (left to right): Al-generated impressions of attractions such as the flying fox, the landmark spiral tower with unique dining experiences and a pedestrian mall. (Image credits: Eunoia Junior College team)

# Sustainable hub with majestic waterfall (Victoria Junior College)

Focused on sustainability, we envision this future industrial site to have green companies manufacturing and other related research and development activities located here. The buildings could be supported by a circular water system with terraced water catchments, a water treatment plant and rain gardens. A majestic waterfall and stream could serve as an anchor for the connecting to the area, nearby Sungei Lanchar canal.



#### Merit Awards for CUBE 2023

### Working in nature (Dunman High School)

We want to create a new form of working environment set in nature. Future buildings are envisioned to reflect the hilly terrain of the site where workers have views to lush greenery around. The site could serve as a hub connecting to other nearby industrial areas. It could become a green technology park, offering a green refuge for workers, their families, and residents in the area.



(Image credits: Dunman High School team)

# Multifunctional hubs fostering new ideas (Nanyang Junior College)

We envision this place to be a multi-functional hub where people can not only work here but be able to relax, gather and play here. Green spaces could be intertwined within and between the buildings with different types of spaces and gathering points for people to interact and exchange new ideas.





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(Image credits: River Valley High School team)		)