
YOUNG GREEN ADVOCATE OF THE YEAR



MR. QUEK YANG THEE

Assistant Programme Chair (Diploma in
Green Building Energy Management)
Republic Polytechnic

As the Assistant Programme Chair, Mr Quek is heavily involved in the curriculum design of the diploma. It is his duty to ensure some of the modules that his students will take are closely related to the green building industry. In addition to the transfer of the knowledge to the students in order to prepare them for work in the green building industry, the modules are also designed and crafted to encourage and inspire them to be green advocates.

In the course of his work, Mr Quek has driven his team to be actively involved in green building projects. Under his leadership, his team has worked on green building related projects covering a wide scope from building and energy audits to feasibility studies of wind turbine to prototyping of indoor vertical greenery. In his years with RP, Mr Quek has managed the installation of three photovoltaic systems on the campus.

Preparing for the Green Collar

Mr Quek passionately ensures that his students will be equipped with the necessary skills to pursue green professions when they graduate. One key project pioneered by Mr Quek is the Greenovate programme, a collaboration between Republic Polytechnic, the Building and Construction Authority (BCA), the Singapore Green Building Council (SGBC) as well as Johnson Controls Pte Ltd. Through this programme, students returned to their secondary schools to help them with their Green Mark certification. Performing a suite of services that include a Green Mark

gap analysis, students are tasked to research, collect data and do analysis before putting up a recommendation with a presentation. The students will also mentor the secondary school students so that the secondary school students will be able to perform a basic level of green building audit while exposing them to green building measurement technology. Since its launch in 2016, the programme has benefitted 18 schools.

Recognising the lack of green building knowledge in the student body, Mr Quek made use of Republic Polytechnic's campus and formulated a Green Campus Tour. Covering the entire property, Mr Quek and his team bring secondary school students across the "living learning lab", educating them on several green building features in place while elaborating on the importance of orientation, façade, natural lighting, indoor air quality, greenery and smart technology. The students will also get a chance to experiment with industry-grade green building measurement tools commonly used in Green Mark audits. One of the highlights of this campus tour is the visitation of a rooftop photovoltaic system, especially set-up by Mr Quek for his students' education. The secondary school students can get to see and feel a real, operating solar array, deepening their appreciation of green building. More than 700 students have participated in the Green Campus Tour. 🟢