

Innovation & Design Hub

An Executive Summary



The Challenge at Hand

Today's students face a volatile environment where modern-day challenges such as pandemics and climate change are increasingly complex. The agility of mind to integrate and connect between multiple disciplines is now a hallmark of a successful graduate entering the global marketplace. A world-class university must deliver to students a comprehensive educational experience beyond lectures, assignments and exams – experiential learning through student life, tinkering and entrepreneurship becomes indispensable for a memorable college experience.



Our Unique Advantage

We envision an interdisciplinary and experiential education built upon the synergies of art and technology. Our Engineering Design and Innovation Centre provides a holistic design and engineering training via the Innovation & Design Programme (iDP) and the M.Sc. in Engineering Design & Innovation. We also provide opportunities for students to spread the spirit of creativity to youths in the community through workshops like ArtTech.

Our students enjoy and perform extraordinarily well through these platforms. Team Bumblebee, our iDP multidisciplinary student team, designed and built their AUV 4.0 submarine, beating the international competition to receive top prize at RoboSub 22. Yu Kelu and Li Si, Department of Materials Science and Engineering students, partnered David Lee, a Department of Electrical and Computer Engineering researcher, to develop Home Eye Pressure E-skin Sensor and emerged International Winner of 2021 James Dyson Award.



Impact Proposition

Our new **Innovation & Design Hub** epitomises our commitment to invest in enhanced programmes and facilities that deliver our vision. A multi-purpose flexi-configuration space, the Hub is a home for students to tinker, prototype designs and media, lead workshops for peers, exhibit award-winning achievements and participate in enriching programmes like iDP and ArtTech. An **endowed gift of S\$600k** would go a long way to support its operations.

We sincerely invite you to co-create with us meaningful programmes and spaces like the Innovation & Design Hub. With support from like-minded partners, we can continue to provide generations of students with a comprehensive education founded on interdisciplinary and experiential learning.