

S/N	Team Name	Team profile	Problem statement	Proposed solution & how it works	Benefits
1	Team 12: InstinctU 1 st Prize (\$5,000)	<ul style="list-style-type: none"> Soh Ming Rui Justin, 21, national serviceman Muhammad Danial Bin Israwi, 21, national serviceman Pang Li Yuan, 21, NTU undergraduate Tan Yuan Xia, 21, NTU undergraduate 	<ul style="list-style-type: none"> How might we help tenants reduce electricity so that they can cut electricity expenses? 	<ul style="list-style-type: none"> A smart power monitoring system, where RFID tap cards tagged to individual users are used to turn electrical sockets on and off, thus allowing office managers to track power usage for each user 	<ul style="list-style-type: none"> Real time energy monitoring at staff level Smart Alert system to remind Staff when usage patterns exceeds norms and encourage them to switch them off Provides the ability to implement incentives to reward individual for green behaviour. Use information to facilitate optimised power design for future buildings
2	Team 22 2 nd Prize (\$4,000)	<ul style="list-style-type: none"> Andre Ng Hao Yuan, 25, BCA Academy (BCAA) Edward Ong, 26, BCAA Joanna Kow, 22, BCAA Dr Mano Kalaiarasan, 51, BCAA 	<ul style="list-style-type: none"> How might we help building operations staff understand data trends so that they can conduct predictive maintenance instead of reacting to faults? 	<ul style="list-style-type: none"> Using machine learning to help building owners conduct predictive maintenance of equipment such as lifts, making maintenance more efficient 	<ul style="list-style-type: none"> Prevention of potential failure Ability to rectify issue before critical failure. Allow the use of spare parts instead of overhauling an entire unit Reduce need for scheduled maintenance Improve energy efficiency by means of well-maintained

					equipment
3	<p>Team 2: HQ_VerteSG</p> <p>3rd Prize (\$3,000)</p>	<ul style="list-style-type: none"> • Tan Teng Hong, 17, student • David Bryan Deguit, 18, student • Yong Yuan Feng, 17, student • Anthony Reuben Carreon Diaz, 19, student 	<ul style="list-style-type: none"> • How might we help people turn off their extension outlets automatically, to reduce standby power use and save energy costs? 	<ul style="list-style-type: none"> • A smart extension outlet that switches off all the devices plugged into the outlet when the master device is switched off, e.g., switching the TV off will switch the DVD player and speakers off as well 	<ul style="list-style-type: none"> • Reduce standby power usage and save energy costs • Makes going green more convenient.