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DESIGNING FOR A BETT

The final-year thesis projects of students at the National University of Singapore's Division of Industrial Design ran the gamut from healthcare to service design, but there were also trends of social design and going back to one's Asian roots



Chantal Sajan Senior Corresponder

Ms Yasmine Cheng has designed a

Ms Yasmine Cheng has designed a "postbox" for grandparents who are not tech-savy to bond with their grandchildren, one that puts a whole new spin on the phrase: "You've got mail." Called Post, the compact, portable by the compact of the post of the compact of the post o

man, hoping to receive letters from her children. Ms Cheng says: "I wanted to recreate this anticipation during the wait and the joy when one receives a letter in the mailbox." Her device allows people to send social media posts as physical photos via a cloud system using Zink printing technology. The Zink – or "zero ink" – system dispenses with ink cartridges and relies on specially coated paper to print smartphone screenshots into mementos. Her work caught the eye of Theseus Chan, founder of design studio Work and Designer of the Year at the inaugural President's Design Awardin 2006.

"I like Yasmine's work as she emtraces a sense of playfulness and naivete in her design," says Chan, Sy, who has been called the 'god-father' of Singapore design. "This semotive appeal is essential as we seek to have positivity, comfort and Eamiliarity with things around us."

For Ms Cheng and her classmates, a major component of their four-year honours programme is close collaboration with industries, and the services of the programme is close collaboration with industries, and the services of the programme is close collaboration with industries, and the programme is completely the programme is com

Post (right), a portable system comprising a malibox device and an app wirelessly hooked up to a smartphone, lets users send social media posts to be printed as physical photos. It was designed by Ms Yasmine Cheng (above), who hopes the system can help less tech-savy grandparents connect with their grandchildren.

mates, a major component of their four-year honours programme is close collaboration with industries, public institutions and government agencies, for project opportunities with a high potential for commercial development, to prepare them. Associate Professor Christian Boucharene, head of NUS Division of Industrial Design, asys that since the establishment of the programme and collaborating with companies from various sectors through workshops and studio platforms.*

One of the many creative solutions from this year's batch of industrial designs is an eco-friendly alternative to styrofoam.

Ms Seah Li Ping's thesis project is called for Durian, By Durian. Made from durian fibre and starch extracted from the fruit's rinds and seeds, the material is designed, ironically, to package the thomy fruit.

The 24-year-old lets on that she was young and was "extremely motivated" to repurpose durian waste. Up to 70 per cent of the fruit is its busk and seeds.

"Durian seeds can also be used as a binder for durian fibres," says Ms Seah, whose packaging features cavities to protect the fruit's fleshy uplup as well as an interlocking system to hold everything together incidey. The design allows for reasy handling for both sellers and consumers."

For design praduate Sherwin Ng. "Spin and a seeds, which also saw handling for both sellers and consumers."

For design praduate Sherwin Ng. "As seeing beyond the everyday desires of able-bodied people provided the substance for his final-year thesis project.

His exercise system for para plegics, called Adaptix, is a home-thesis project.

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Eye on the market

Division of Industrial Design this year celebrated the division's 20th anniversary with a bumper crop of ideas. Here are three final-year projects which their designaces have to good at talk to projects.





Ms Zhang Hanwen (left), 24,

Ms Zhang Hanwen (left), 24, created a series of window screen inspired by kirigam and origami (Japanese art of paper sculpture and paper folding). Texplored various mechanisms t create interesting visual effects that let the viewer take a more active role in viewing through the window screen, she says. "Kirigami and origami minechanisms were selected because of their ability to offer partial coverage creating states between being fully open or closed."





designation of the recommunicate their recommunicate their recommunicate their recommunication there are constant parental conflicts at home. It also allows them to seek professional help, owards a road to recovery.

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struggling with family issues so that no child has to suffer in silence," says Ms Ng Ai Ling (above, left), 24, who hopes to turn her project into an app.



Wei! (above) is a design tool that aims to translate

taste into shapes, generating tableware such as plates and bowls that help people pick up the finer points about Chinese Diet Therapy. Designed by Ms Sheryl Ang (left), it hopes to classify food in

(above) hopes to use the experiences sha awareness of such events. ences shared during caregiver support sessions to spread



Breathing guide and aroma diffuser Bre (right)

(rignt)

Bre incorporates a mechanism that guides people to focus on their breathing to keep calm amid the madding crowd.

Bre is great fit een agers and adults who are almost. The is great fit een agers and adults who are almost of the way stress has influenced their breathing mechanism and pace, "ass NS Teng Yan Wen (above, left), 23, who took a year to complete her thesis project. She says the settings on the device are designed to release ring mists at a constant pace, representing the counts in a breathing exercise to que its user to slow down and be mindful of inhaling and exhaling.

The For Durian, By Durian packaging (above, right) is made from durian fibre and starch extracted from the fruit's rinds and seeds. Designed by Ms Seah Li Ping (left), it has spaces to protect the fruit's pulp as well as an interlocking system to hold everything together.

industrial design, corresponding to an emergent trend in Europe called "social design". "It mixes a multi-disciplinary approach, co-design with users, minimal intervention in terms of materiality and collaboration with public authorities for the implementation such as, in this case, the National Council of Social Service, says Prot Gaubert, 47.

Mr Ng's Caregivingtol is hinged on Solomon's Paradox - looking at once's situation for clarity and to resolvestruggles. Another recent rend which Prof Sanother (as the proposed of the professional practices to inspire contemporary works, such as Qi by Mr Ryan Chin and Weil by Ms Sheryl Ang.

Qi, which draws inspiration from the traditional Chinese practice of taiji, is designed as a night light using existing light from the smart-