

Temasek Poly students find solutions to some common problems

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SINGAPORE: Some year three students at Temasek Polytechnic's Engineering School have found a way to solve problems such as footprints on toilet seats and abandoned shopping trolleys.

Creators of the "Anti-Squat Toilet Seat", made with a used toilet seat, some hinges and magnets, hope that their creation will prevent more toilet seats from getting dirtied or damaged during the squatting process.

Clarence Tan, Year 3, Engineering student, Temasek Poly, said: "This is actually a preventive measure as one steps on the side of the toilet seat to squat. The lever itself would raise causing one of his legs to slip. Thus this prevents him for squatting on the toilet itself.

"With this, hopefully a cleaner toilet cubicle will be seen and thus an achieved higher hygienic level in the toilets itself."

Meanwhile, the brakes attached to all four wheels of the "Anti-Theft Trolley" will be activated the moment you hit a hump and a reminder will sound to tell you to return it.

Lee Guo Sheng, Year 3 engineering student, Temasek Poly, said: "The lifting motion would trigger the trap door like a basket to open automatically and release your goods to the ground and we want this to just serve as a warning and not to actually destroy their goods."

It may look like a regular wheelchair but there is an extra pair of brakes.

So what makes this "Anti-Slope Wheelchair" different from the regular ones?

Poh Weiting, Year 3 engineering student, Temasek Poly, said: "For the regular ones, they do not have the ratchet mechanism and the gear system so they'll have this tendency of sliding backwards. So with this, they'll feel safer. The gears would engage the ratchet and they won't fall backwards."

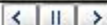
All these items were part of the students' final year project.

They were featured as part of Temasek Polytechnic's Engineering Project Show. - CNA/vm



Photos

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Video



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