NANYANG POLYTECHNIC

**School of Engineering**

**PROJECT PROPOSAL FORM**

**For**

**Smart Connected System Project**

**Group Name: to Pass, too Curious (NYP Drift)**

**Project Team Members:**

**1. Muhammad Hanafi Bin Mokhri**

**2. Nasruddin Islam Bin Ramli**

# **(1) Title of Project**

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| **Smart home for the lazy man** |
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(2) Objective(s)

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| **To create a smart home for problems faced by the lazy.** |
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## **(3) Description (Attach a separate sheet if necessary)**

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| **An automatic window that opens or closes itself, depending on whether or not it rains or controlled by voice recognition. Pressure sensor on the bed that will trigger an alarm at a certain time unless the person gets off the bed. This same pressure sensor will turn on the lights when the person gets off and if it’s dark. Gate controlled by waspmote app and closes after the person gets in and steps on the pressure sensor.**  **PIR sensor senses burglars and suspicious individuals lurking outside your home.** |
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**(4) Material required**

**Sensors:**

**-Voice recognizer (Grove - Speech Recognizer)**

**-Water sensor**

**-pressure sensor (force-sensitive resistor https://www.adafruit.com/product/166)**

**-luminosity sensor**

**-PIR sensor**

**Actuators:**

**-dc motor for the gates and windows**

**-vibrator**

**-LEDs**

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**(5) System Architecture**