**Innovative Solution Idea #1**

**Describe the idea in a sentence.**

A modified recycle bin with a built in program to give students rewards for putting recyclables in the recycling bin.

**What is the need or opportunity the idea addresses?**

It is to discourage students from littering all around the school.

**Which of the topics below does the idea involve?**

* **artificial intelligence, machine learning or neural networks**
* assistive and wearable technologies or Internet of Things (IoT)
* creating with digital systems such as drones, microcontrollers, nanosatellites and robotic devices
* games development, multimedia programming or web authoring
* mixed realities such as augmented and virtual reality
* investigation/research project on innovative uses for emerging technologies such as blockchain
* any other innovative digital solution.

**What stage would you aim to complete the solution to?**

**Proof of concept** / Prototype / Product

**What related solutions currently exist?**

Recycling bins

**How would your solution differ from / improve upon the solutions mentioned above?**

It doesn’t give rewards for putting recyclables in the recycling bin

**Innovative Solution Idea #2**

**Describe the idea in a sentence.**

**What is the need or opportunity the idea addresses?**

**Which of the topics below does the idea involve?**

* artificial intelligence, machine learning or neural networks
* assistive and wearable technologies or Internet of Things (IoT)
* creating with digital systems such as drones, microcontrollers, nanosatellites and robotic devices
* games development, multimedia programming or web authoring
* mixed realities such as augmented and virtual reality
* investigation/research project on innovative uses for emerging technologies such as blockchain
* any other innovative digital solution.

**What stage would you aim to complete the solution to?**

Proof of concept / Prototype / Product

**What related solutions currently exist?**

**How would your solution differ from / improve upon the solutions mentioned above?**