

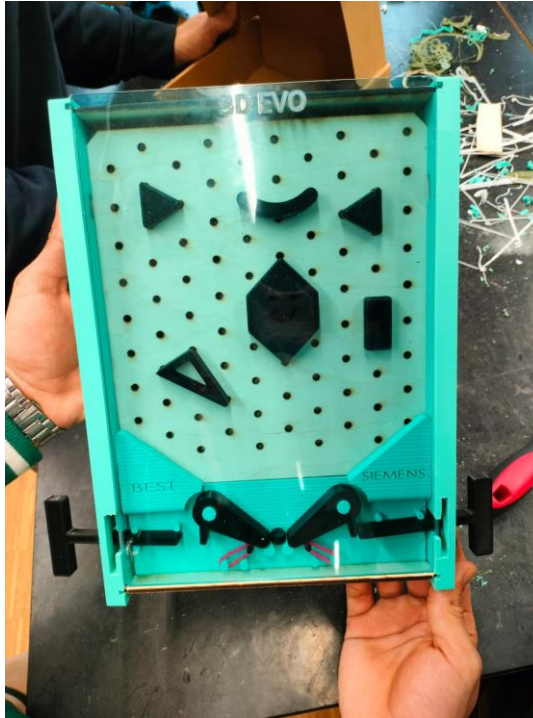


Siemens X BEST Engineering Competition 2025

Sponsored by

SIEMENS

3D EVO - Pin Ball



Purpose and X factor

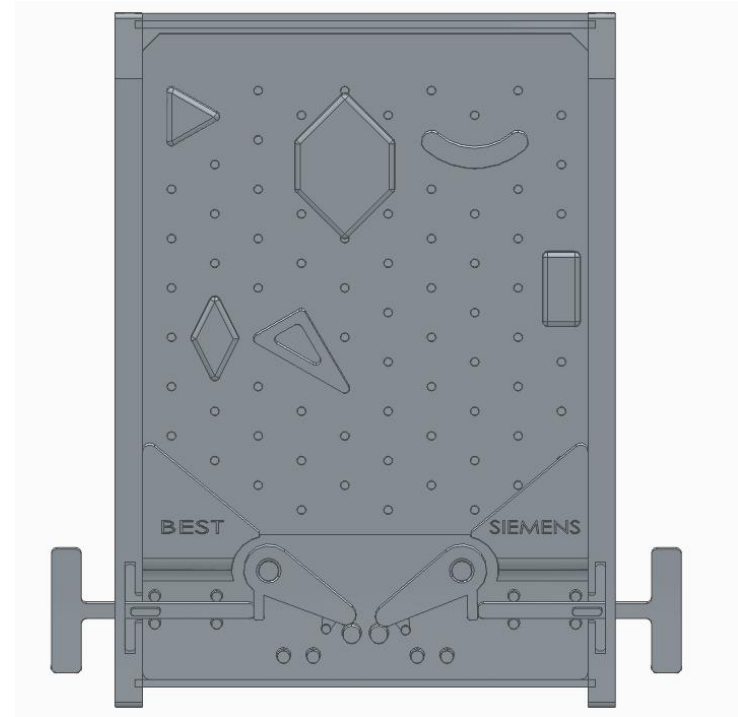
- **Interactive** arcade game to engage users
- **Simple** mechanical operating system
- **Customize** the game as per your interest
- **Easy** to assemble and disassemble
- **Creative** use of 3D printing and Laser cut technology to build the game
- **Quick** prototyping, as most of our design involved Laser cutting



SIEMENS

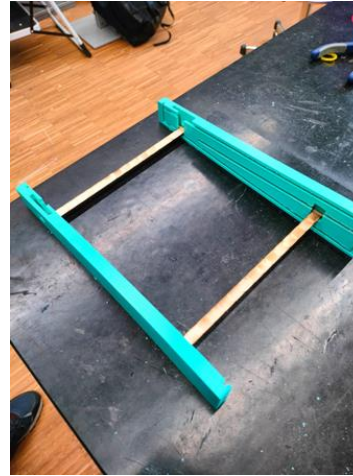
Design and build

- **3D printing** enabled us to build the base designs with **grooves** and these help with easy assembly by sliding the parts into the Grooves.
- **Toggle movement** is based on the **Lever mechanism**
- **Laser cut sheet** has small **holes** where obstacles can be placed, enhancing the customization of the game for the users.



Design and build

- The **obstacles** are **3D printed** in different **shapes and sizes**.
- The play area can be **customized** easily by placing obstacles as per your choice
- **Simplified** the operation by avoiding **unnecessary complex mechanisms**
- No complex joining process like welding, fastening or unnecessary glueing of components.



Vielen Dank !!