PROJECT WORKS

Inmoov Head Simulator

This 3D printed human face accurately replicates human facial expressions using advanced software and 3D printing techniques.. It has the potential to revolutionize several industries. In medical training, the face can be used to simulate scenarios requiring communication and empathy, helping healthcare professionals develop their interpersonal skills. The 3D printed human face is a significant development in the field of 3D printing, offering high levels of detail and realism.

Mahantesh R, 2020

Prosthetic Hand

This 3D printed prosthetic hand is controlled electronically and uses MG995 and SG90 motors to simulate hand gestures. This device has the ability to perform a wide range of movements, allowing users to perform daily activities with ease. It can be customized to fit the user's specific needs and performs a wide range of movements. With its advanced technology and customizable features, this 3D printed prosthetic hand is an impressive development in the field of prosthetics.

Rishi K, ECE 2023

VRITRA x85 Drone

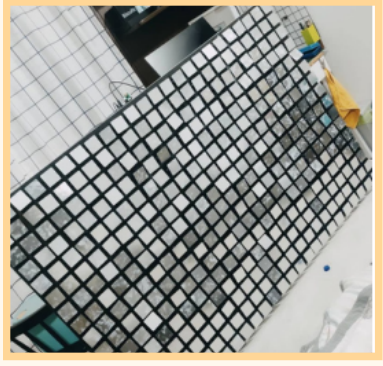
The VRITRA X85 drone is a versatile and reliable unmanned aerial vehicle that boasts impressive features such as an endurance of 72 minutes, an altitude capability of 3000 meters, a top speed of 86 kmph, and a payload capacity of up to 3 kilograms. With its multiple payload modular attachments, this drone can be customized for a wide range of operations, including search and rescue, surveillance, mapping, navigation, delivery, payload deployment, smoke canisters, announcements, and many more.

Prashanth Kumar, ISE 2023

VRITRA x82 Drone

The VRITRA X82 drone is a compact and efficient unmanned aerial vehicle with impressive capabilities. It features a payload capacity of up to 1.2 kilograms and a flight time of up to 35 minutes, making it a reliable option for a wide range of applications. Its modular design allows for easy customization and integration of different payloads, making it a flexible solution for various operations. Additionally, the drone comes equipped with GPS, GNSS, and RTK support, ensuring accurate and reliable navigation and positioning.

Prashanth Kumar, ISE 2023



Mechanical Mirror

The Mechanical Mirror is an incredible kinetic art installation that embodies the beauty of mechanical engineering and coding. With over 27,000 lines of code and 384 mechanical pixels, this project is a true marvel of technology. The mirror utilizes mechanical reflexes to trigger tiny sequential pixels that move and reflect light in perfect synchronization, producing stunning 3D art and figures. The mirror also has the ability to copy hand gestures, such as finger movements and waving, making it an interactive and engaging piece of art.

Prashanth Kumar, ISE 2023