

# 3D printing with plastic waste – New Hybrid Product

First time in Mongolia

TECHNOLOGY

12 RESPONSIBLE CONSUMPTION AND PRODUCTION



FUTURE

NATURE

# Objectives

Find important stakeholders to produce filaments

Successful 3D printing test with our own filament

Successful first filament production

Design and prototype functional new product which is sustainable and innovative



**IN MO**



MVP – rPET Filament for 3D printer

**IN MO** x **hybOrg**

Sustainability meets digital art



MVP - Product



**IN MO**



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Sustainability meets digital art



MVP - Product

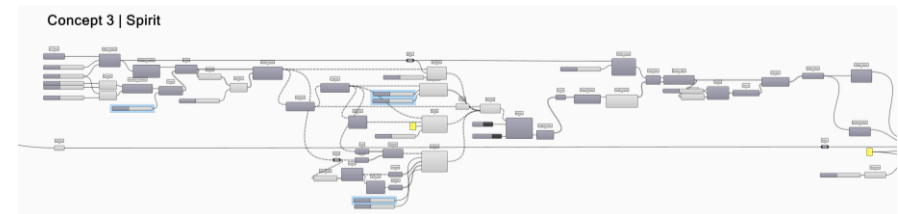
# 3D printing and parametric algorithm

Unique parametric design

3D printed with recycled plastic waste

PM2.5 effective smog filter

Organic felt lining and strap



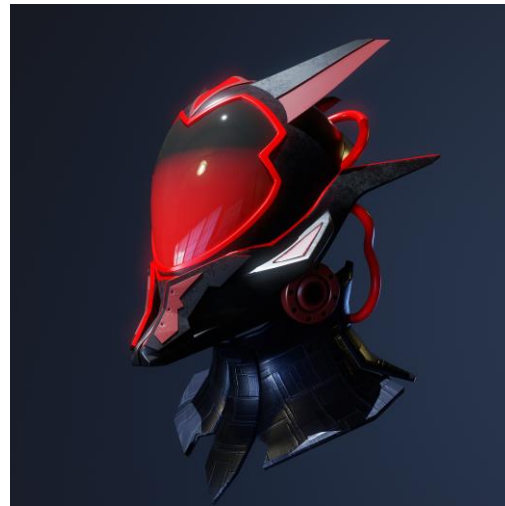
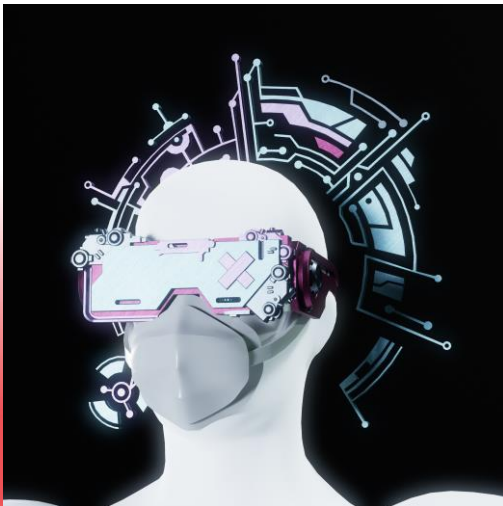
# New digital expression with Augmented Reality

Design with no  
limitation

Virtual asset

Impactful story telling

New content creation  
tool



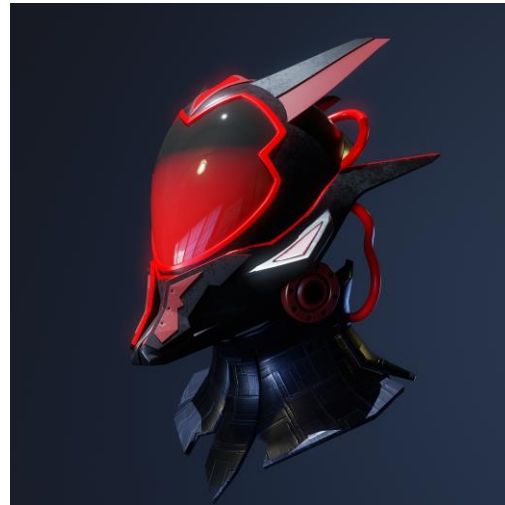
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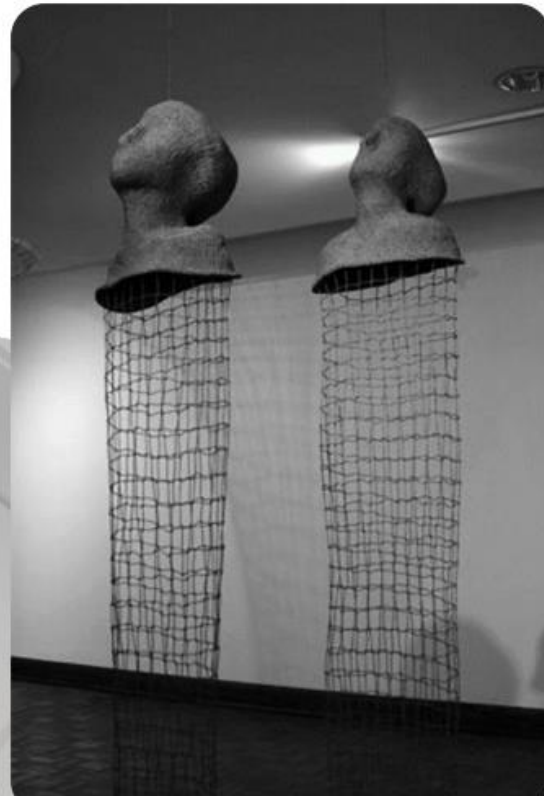
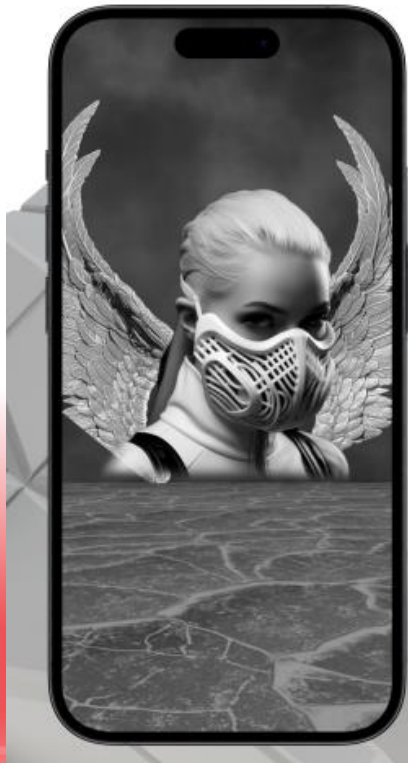
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tool



# Zero Waste Self Expression

Hybrid Mask Exhibition



10 Masks with 10 Augmented Reality

Sustainability

Technology

Innovation

Dec 8 – 9  
@Art of UB Gallery



## Rest of the project period:

Mask pre-order from customers

Product development based on customer feedback

3D print leg support for stroke patients in collaboration with JICA expert in Jan,2024

## In the future:

Launch 3D printed mask

Launch rPET 3D printer filament

Find Japanese partners and 3D printing studios to launch product in Japan

Attending Founders Institute based in Silicon Valley

The slide features a white background with decorative elements. In the top-left and top-right corners, there are green geometric shapes consisting of overlapping horizontal bars. In the bottom-left corner, there is a red geometric shape consisting of overlapping horizontal bars.

Thank you for your  
attention