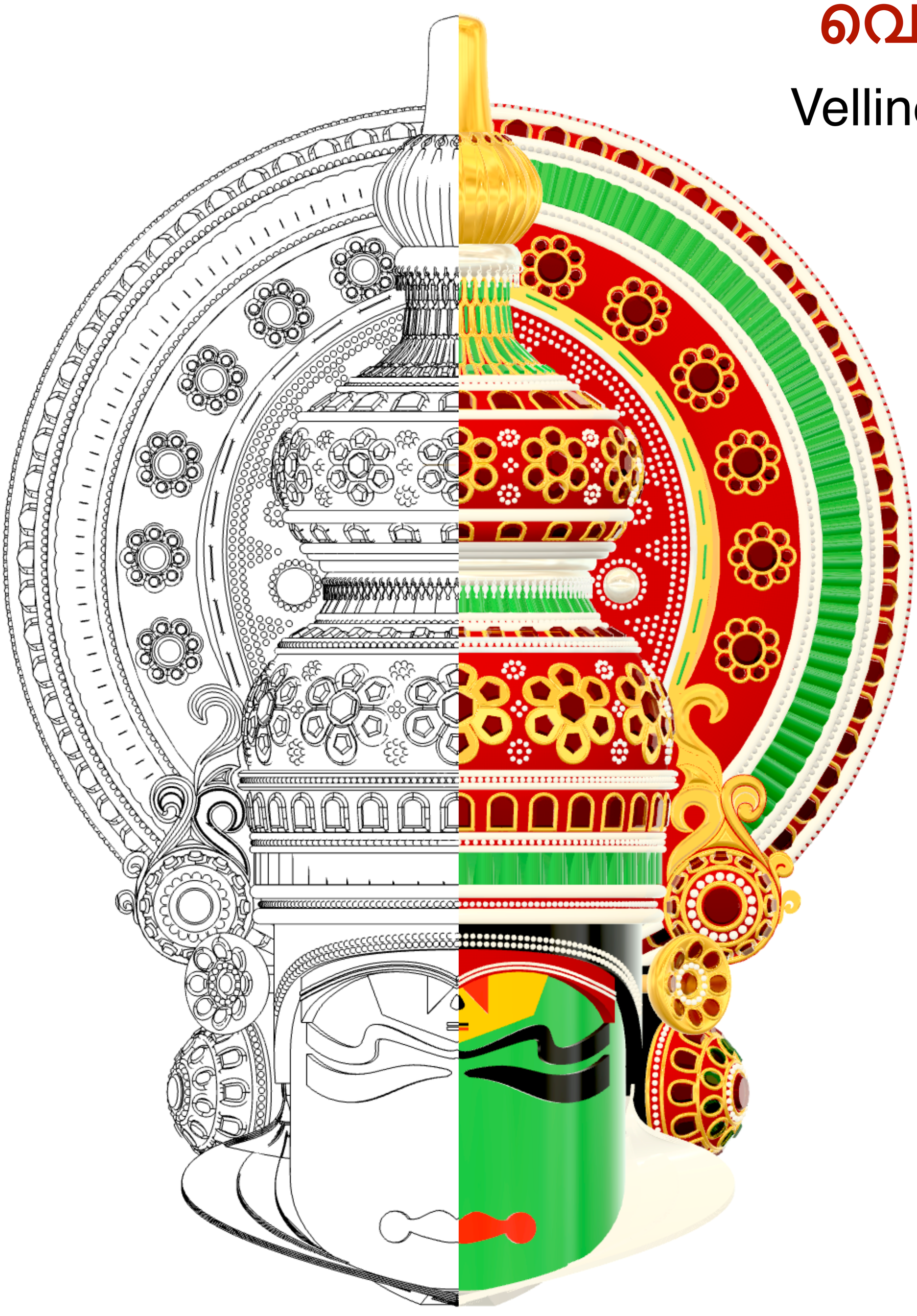
# വെള്ളിനേഴി

# Vellinezhi Modern

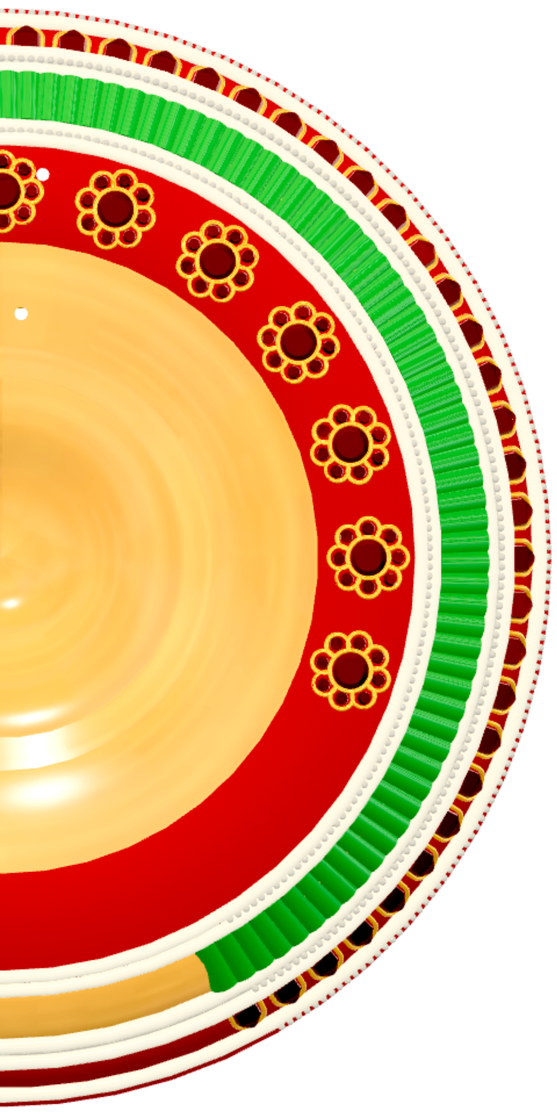


Kathakali headgear, designed in the classic style established in **Vellinezhi**, **Palakkad** in the 1960s, incorporates a few modern embellishments to leverage parametric solid modeling.

hackorama.com/vellinezhi.html 2025

# Assembly

## Crown Elements

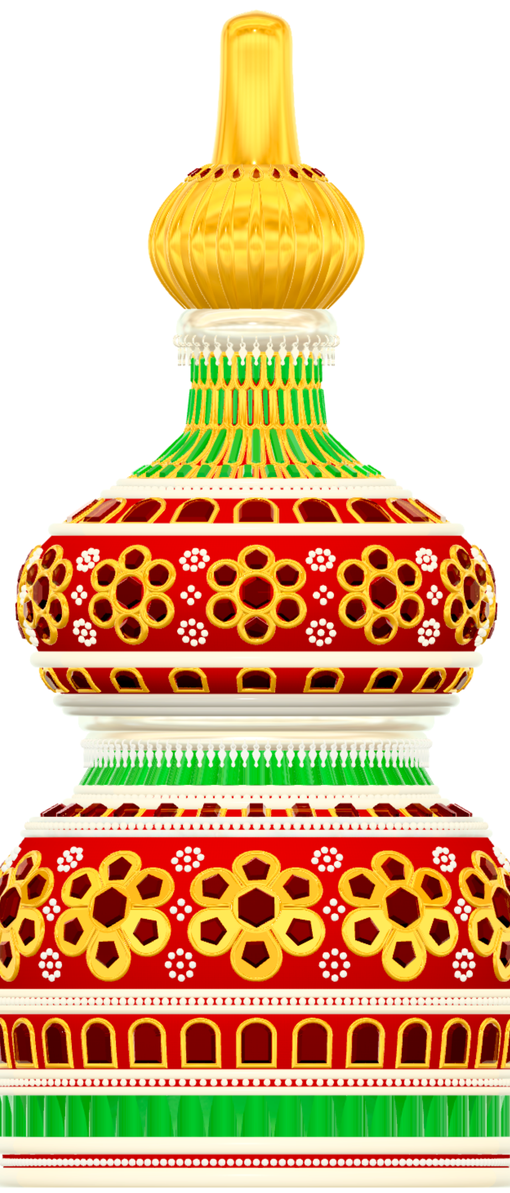


**1 Keshabharam**
Hair-mass



**2 Prabha**
Halo





**Naraayam**
Antique stylus shaped finial

**Mayil Kazhuthu**
Peacock neck shape

**Randam Kalasham**
Second dome

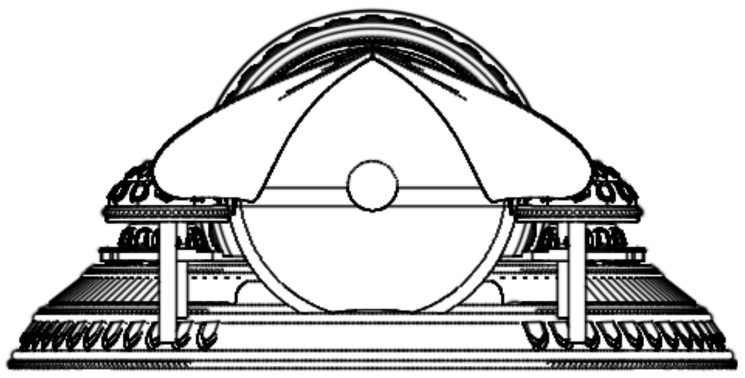
**Onnam Kalasham**
First dome

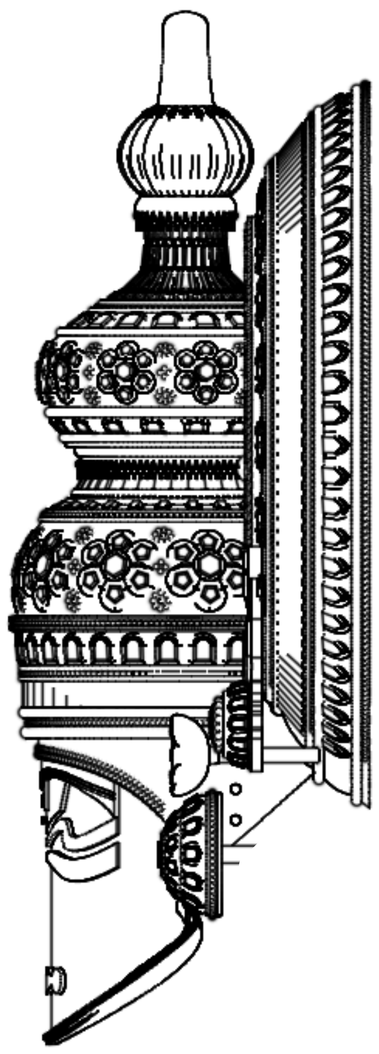
**3 Kireedam**
Crown

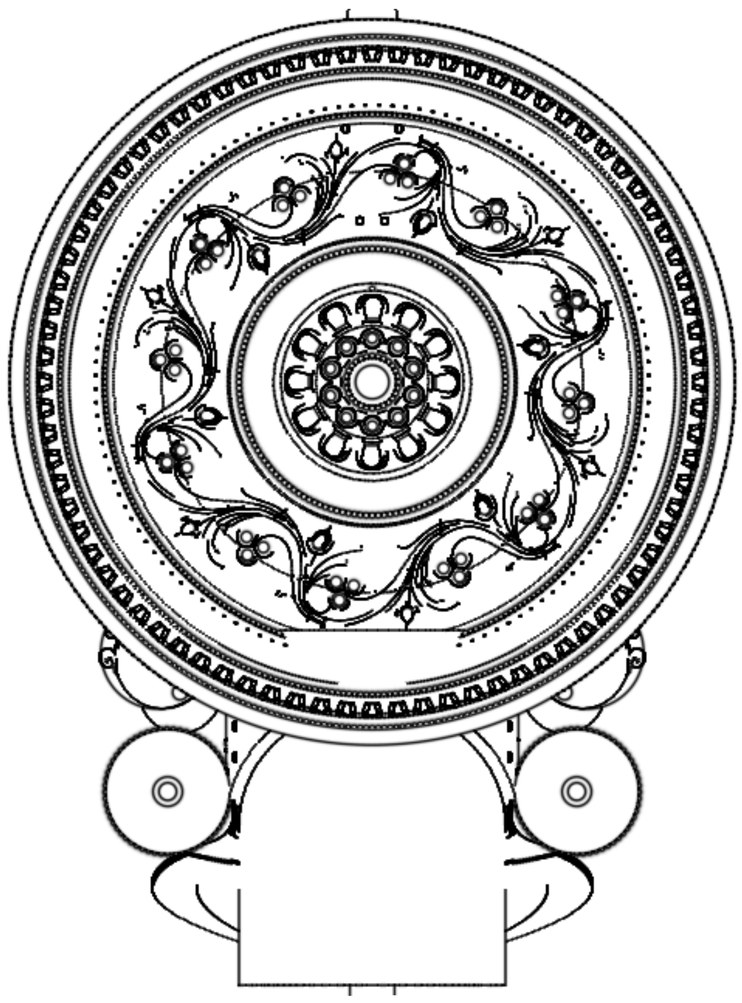
Carved from **kumizhu** (white teak) wood, these three main pieces are adorned with gold gilt foil, red felt cloth, glass stones, silver beads, and other decorative elements. They are then assembled together with strings, ensuring a snug fit for any head size.

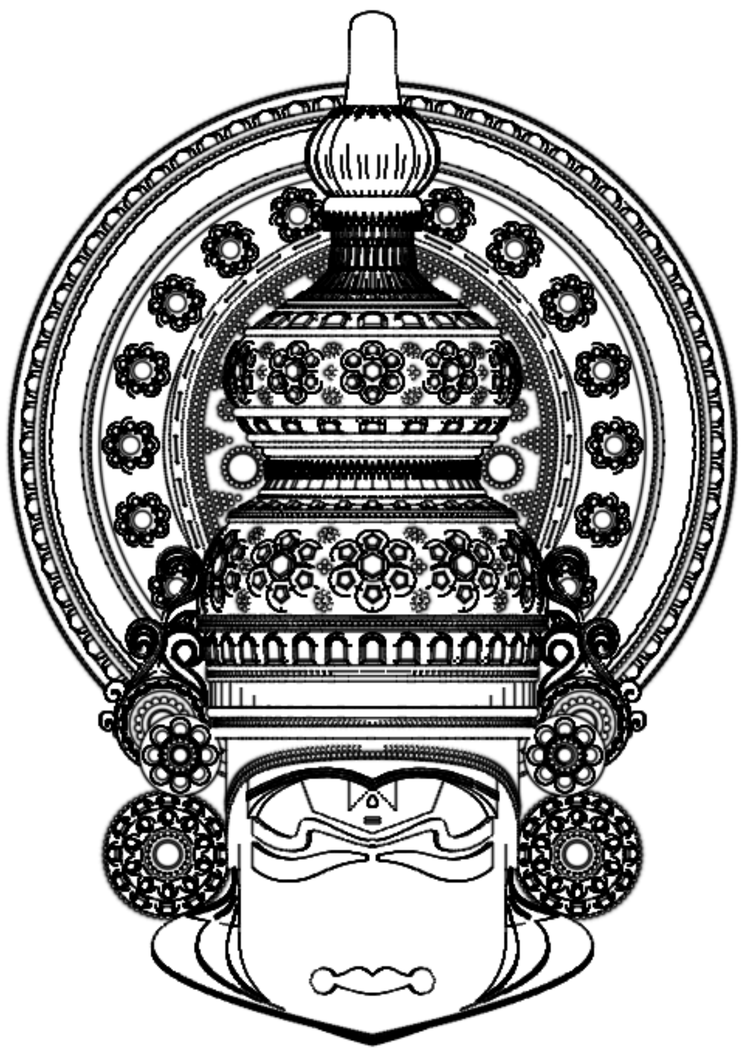
# Design

Modeled in Autodesk Fusion

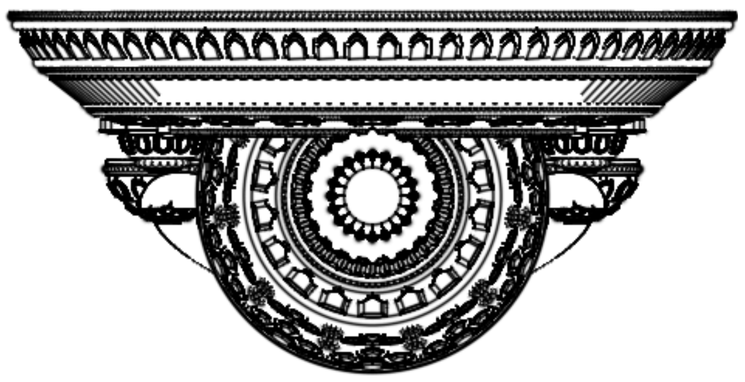


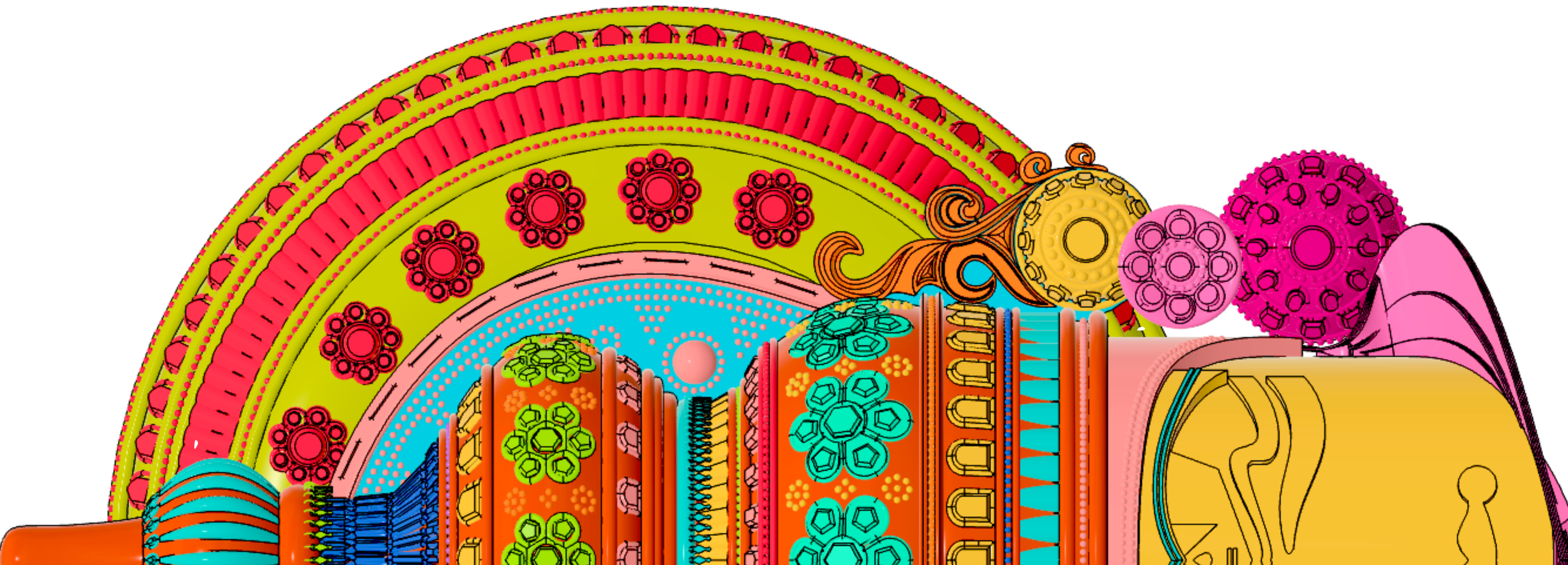






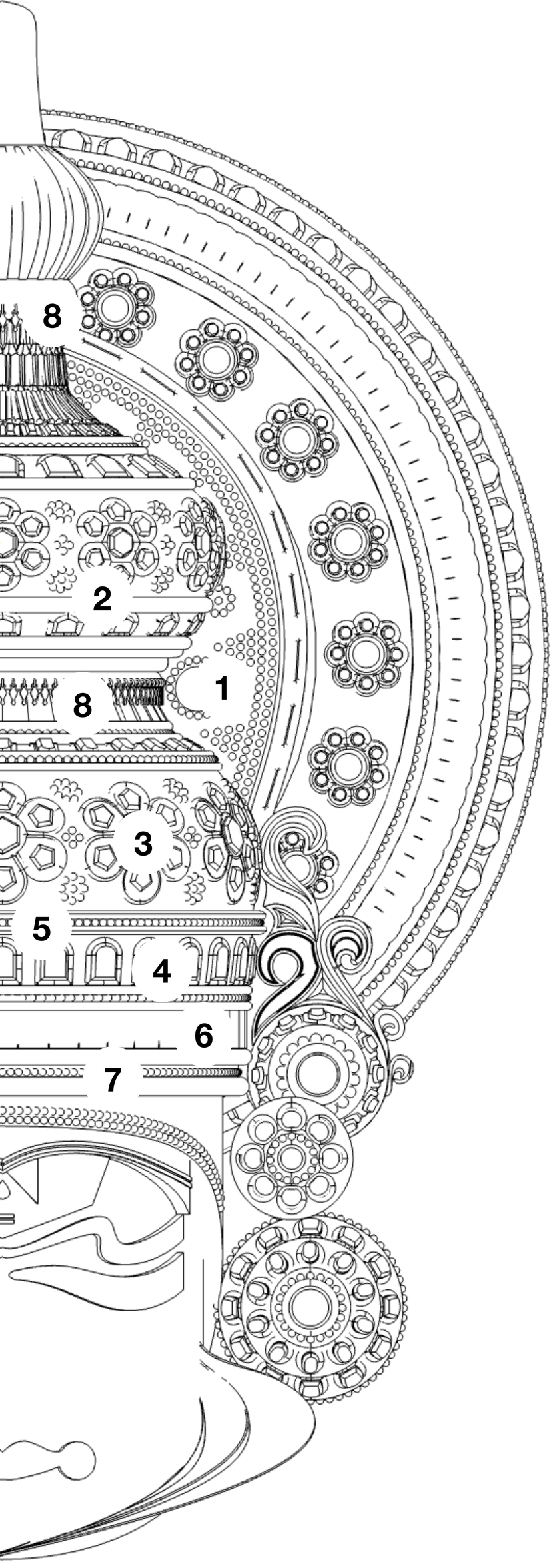
610 mm





# Decoration

## Motifs and materials




**1 Velli kumila**
Silver bubble

**2 Velli poovu**
Flower motif with silver beads

**3 Poovu**
Flower motif with gold foil
and red, green glass stones

**4 Venma chillu**
Petal motif with gold gilt foil
and red glass stones

**5 Peeli chalu**
Peacock feather stem grooves

**6 Vandodu**
Blue green iridescent
beetle (ponvandu) shell

**7 Thaara**
Silver bead line

**8 Velli alucku**
Silver dangles

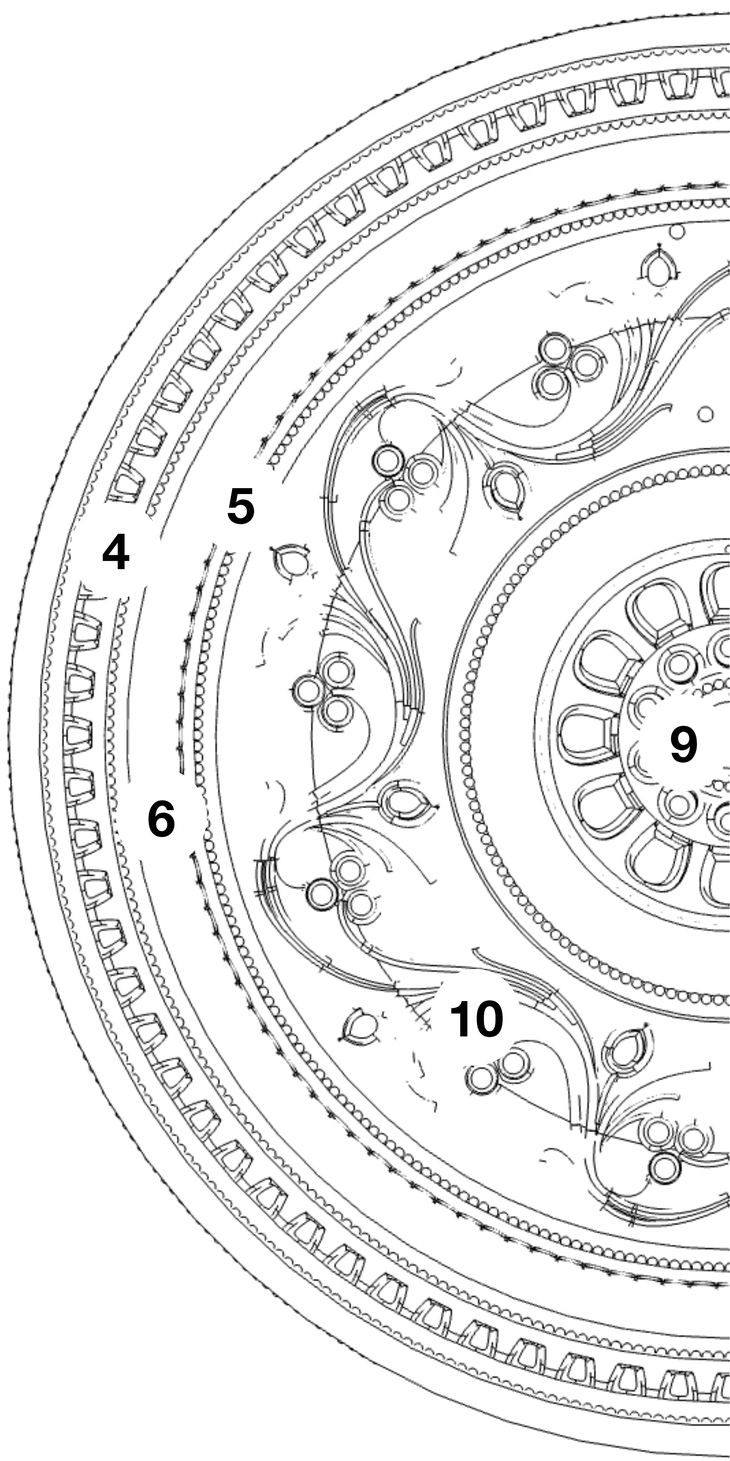
**9 Thoda poovu**
Earring flower with gold foil red
green glass stones and silver beads

**10 Munthirivalli**
Grapevine motif with gold foil and
red, green glass stones

**Chakalas**
Red felt clothe for all red color base

**Swarna paali**
Gold gilt foil for all gold color base
character.

This crown design is used for the main (**adyavasana**) hero (**pacha**) character



# Adornment

Ornaments and makeup




**1 Chevi poovu**
Ear flower

**2 Thoda**
Ear ring

**3 Thalappavu kettu**
Black cotton clothe with silver bead lines

**4 Chutti thuni**
Red cotton clothe with rice paste lines

**5 Chutti**
White bond paper with rice paste

**6 Chutti kuthal**
Face painting using natural pigments

**Red** Chaayilyam (Cinnabar) red stone powder
**Yellow** Manayola (Orpiment) yellow stone powder
**Green** Manayola with neelam (Indigo dye) powder
**Black** Soot from gingelly oil smoke
**White** Rice paste with lime stone powder
Coconut oil is mixed with all colors to form a paste.

# Production

FDM 3D Print PLA

