UCI Claire Trevor School of the Arts

BACKGROUND y



The energy and environmental costs of manufacturing, shipping, and discarding plastic products puts tremendous strain on the earth's biosphere. Personal 3D printing, in conjunction with in-house recycling of the plastics used, are poised to change the consumption patterns of the general public.

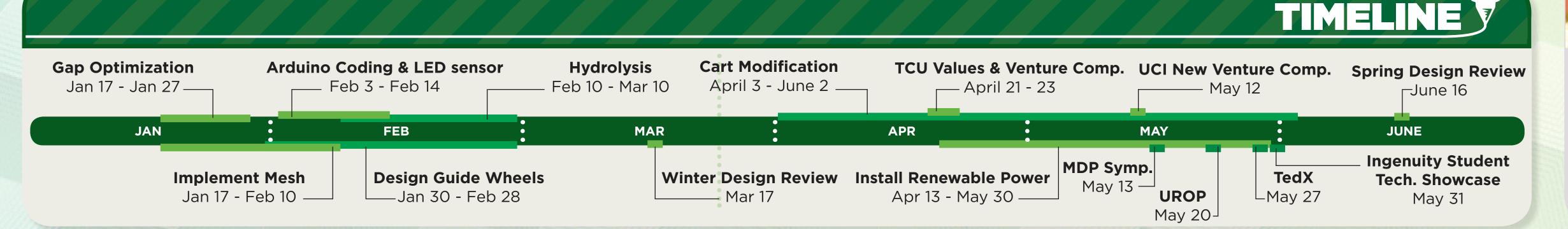
GOAL Y

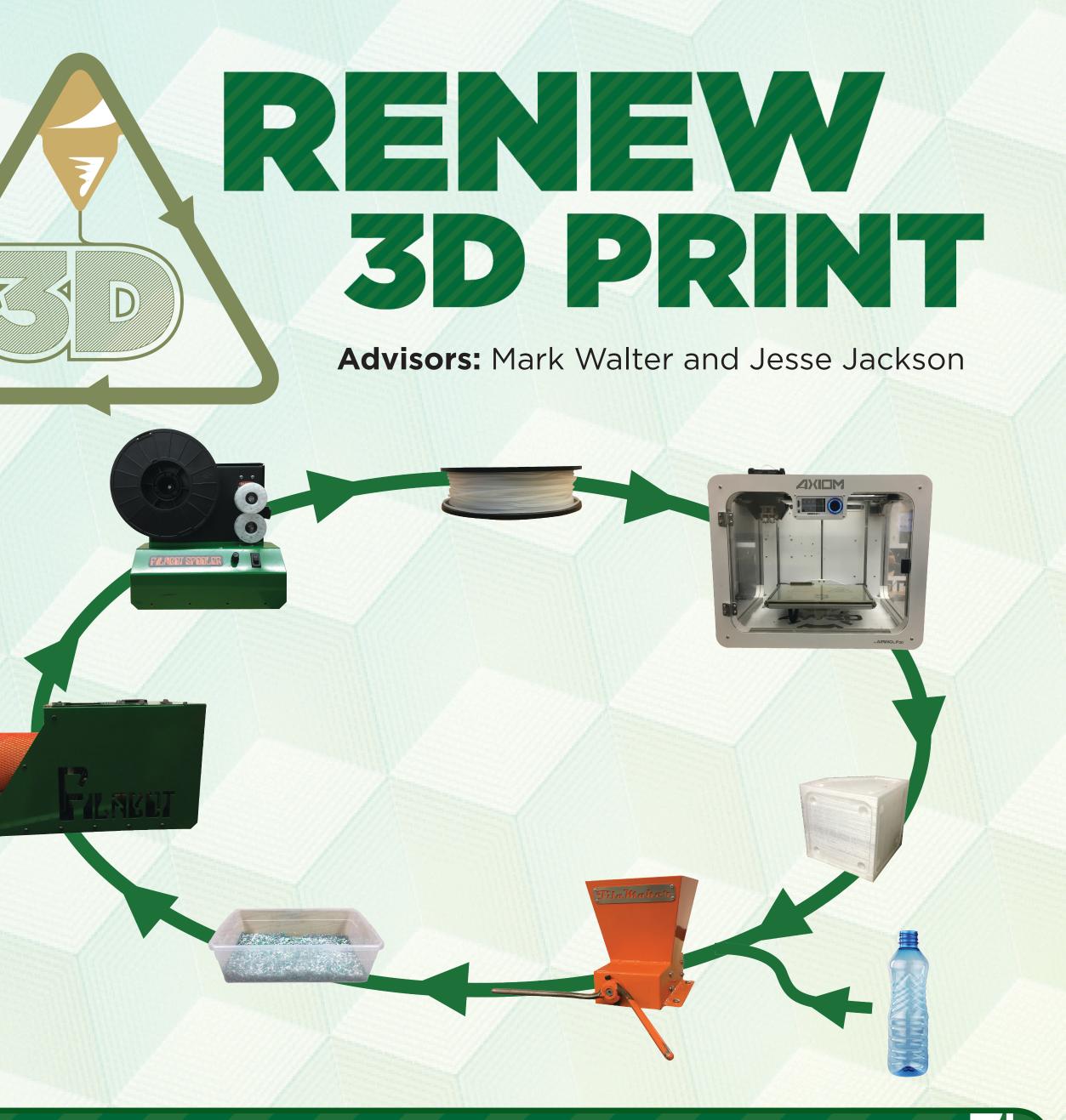
This project will design and implement plastic recycling processes in response to consumer 3D printing.

 Showcase the system in a way that is appealing to a consumer

NEXT STEPS y

- · Create a pilot program on the UCI campus
- Showcase our system at UCI
- · Create an automated sorting system
- Allocate more UCI recycling bins for 3D printing





SUBTEAMS Y

Cart Design

Renewable Power

Business Development



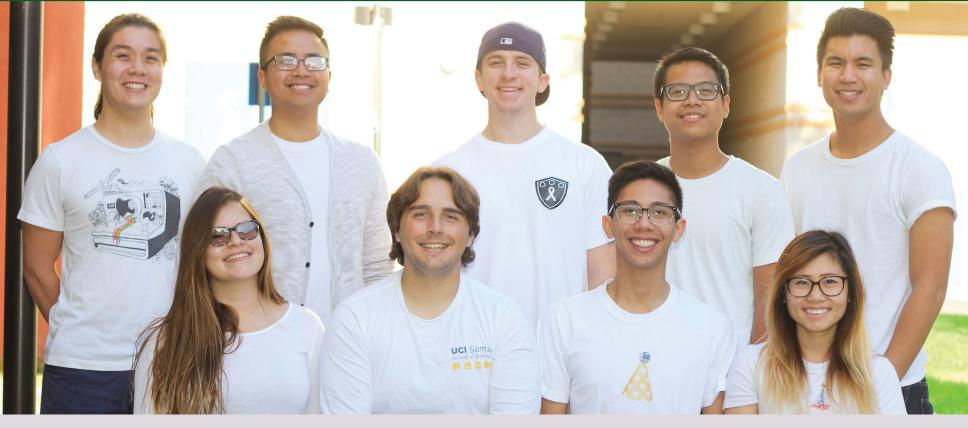


UCI Samueli School of Engineering **BUDGET - \$8,152 Powder Coating Grinder Handle Hardware** \$323 \$300 **Solar Panel** \$1,000 **Axiom Printer LED Diameter Sensor** \$2,325 \$55 -**Power Management** System \$1,349 **Filabot Original** \$950 Filabot Spooler \$500 **Bicycle Generator Filabot Extruder** \$375 \$850 **Battery** \$125 ACKNOWLEDGEMENTS



THE TEAM

M



Tucker Moody Ian Pareja Andrew Hnat Christian Datu Derek De Los Angeles Ivette Morales Will Amos Aldrin Lupisan Sharon To

