

# MACHANI ROBOTICS

## X I4X

### Project Background

How can we utilize the embodied AI robot RIA to help improve accessibility to quality mental health aid among students on campus?

### Aims & Objectives

- Design and prototype a tangible deliverable aligned with the project guidelines.
- Formulate a strategic plan for the integration of the solution within the UCSD college environment.
- Enhance availability of mental health support for students
- Showcase language-switch functionality to offer enhanced assistance to international student communities.
- Mitigate apprehensions regarding Artificial Intelligence (AI) and humanoid technologies through direct campus engagement.
- Broaden accessibility by offering both in-person and application-based experiences.
- Initiate the implementation process for UCSD deployment.

### Learning outcomes

- Collaborate effectively with industry partners, honing professional teamwork skills.
- Gain expertise in project management and the iterative design thinking process.
- Develop strong communication abilities to articulate ideas and concepts clearly.
- Master research methodologies and effective feature implementation for project success.

### Project Journey



#### RESEARCH

- Sending campus-wide student surveys
- market/competitor research
- Researching student interactions with RIA



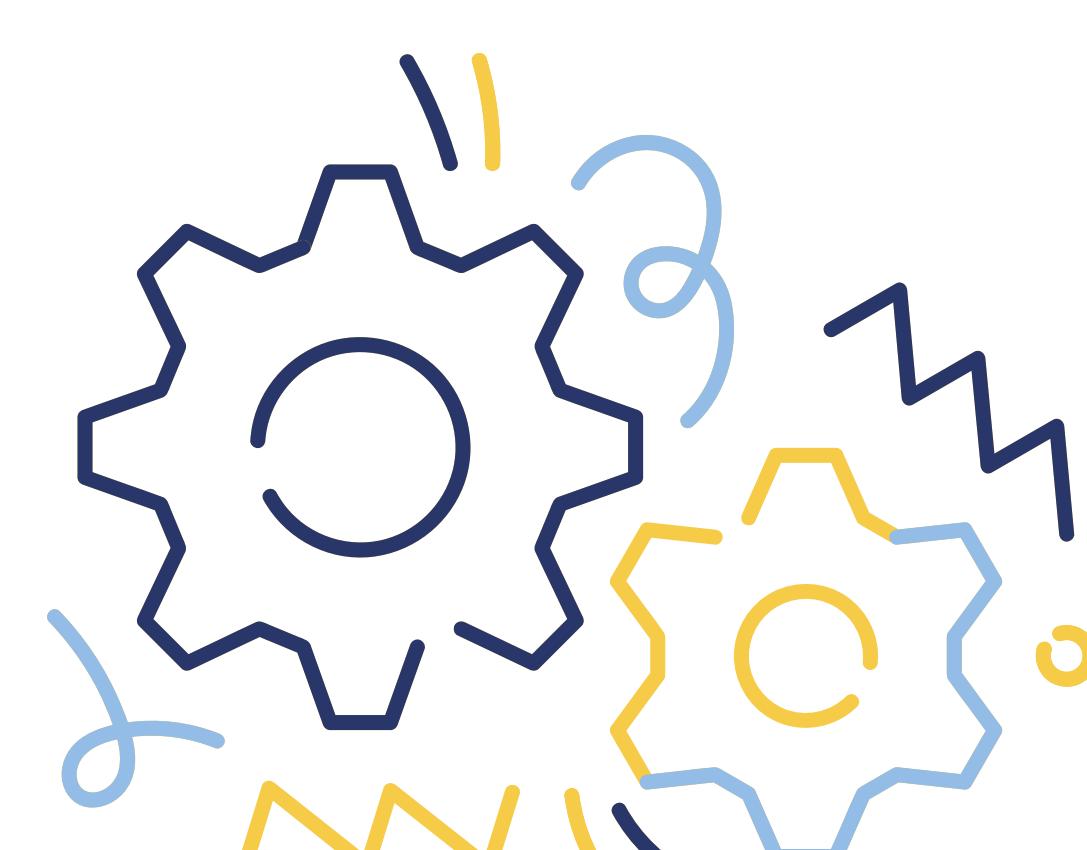
#### INTERVIEWS

- Interviewed Dr Bhakta (UCSD mental health director) & 5 students about RIA



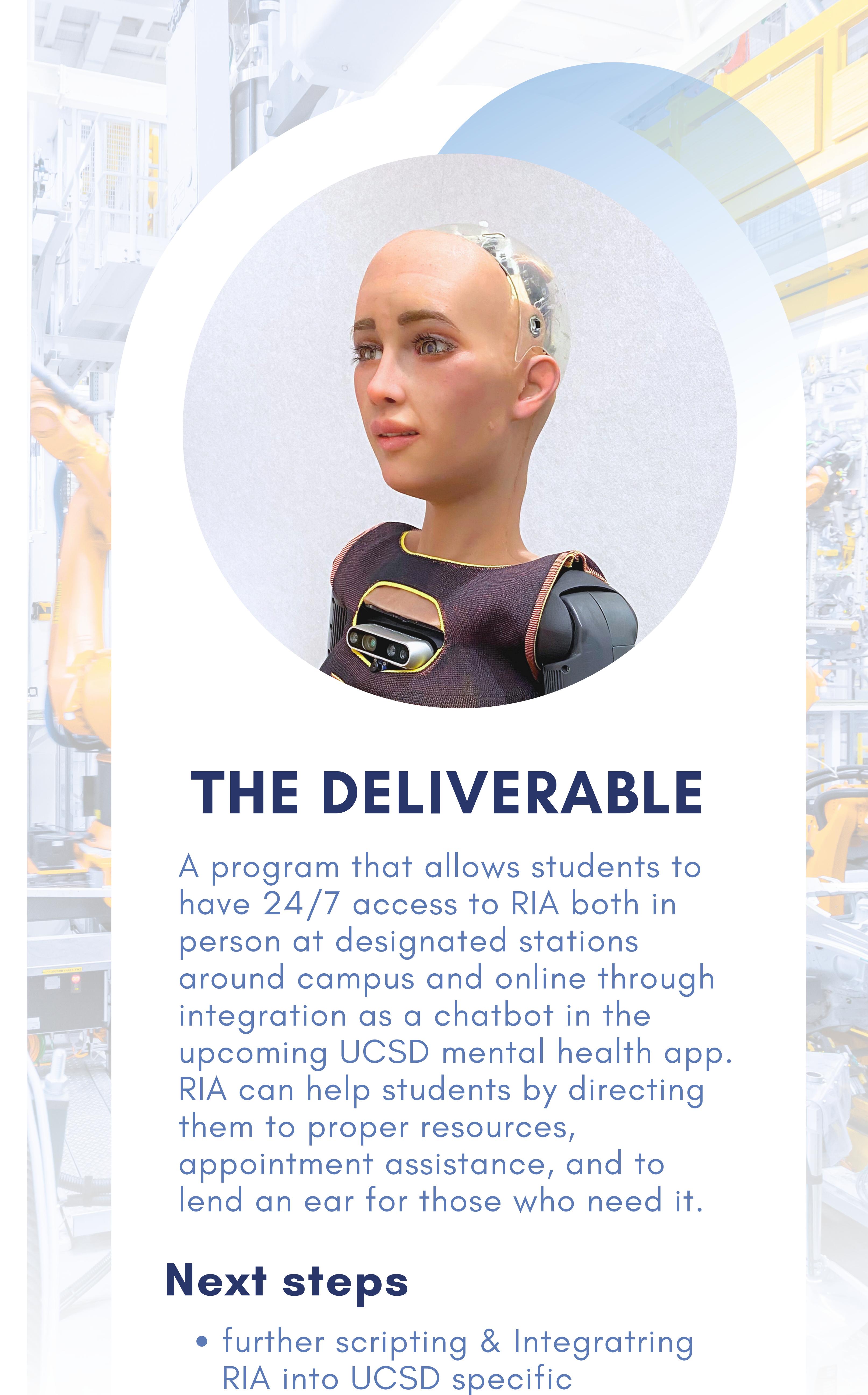
#### IDEATION

- Brainstormed different solutions to our problem statement



#### PROTOTYPING

- Created lo-fi designs on Figma
- Developed a short film/AD to show the potential of the project



### THE DELIVERABLE

A program that allows students to have 24/7 access to RIA both in person at designated stations around campus and online through integration as a chatbot in the upcoming UCSD mental health app. RIA can help students by directing them to proper resources, appointment assistance, and to lend an ear for those who need it.

### Next steps

- further scripting & Integrating RIA into UCSD specific resources
- coordinating with UCSD health & triton center to further implement RIA
- Further research on AI humanoids in mental health settings