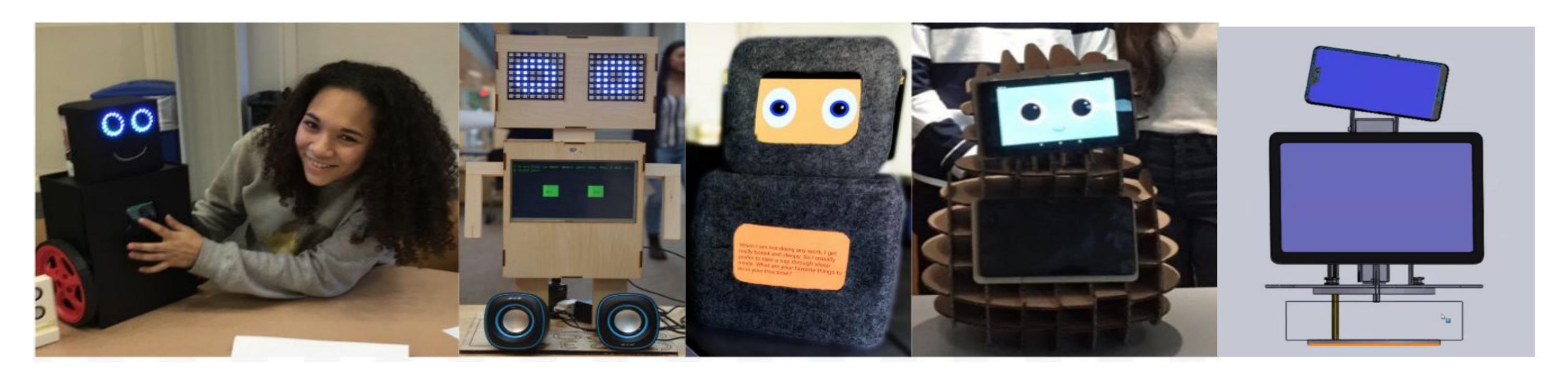
NRI:INT Design and Development of a Social Robot to Gather Ecological Momentary Stress Data from Teens

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Project EMAR (Ecological Momentary Assessment Robot) is an interdisciplinary project to design, develop and deploy an engaging and customizable social robot to gather ecologically valid, teen stress and mood data, while delivering a micro-intervention.



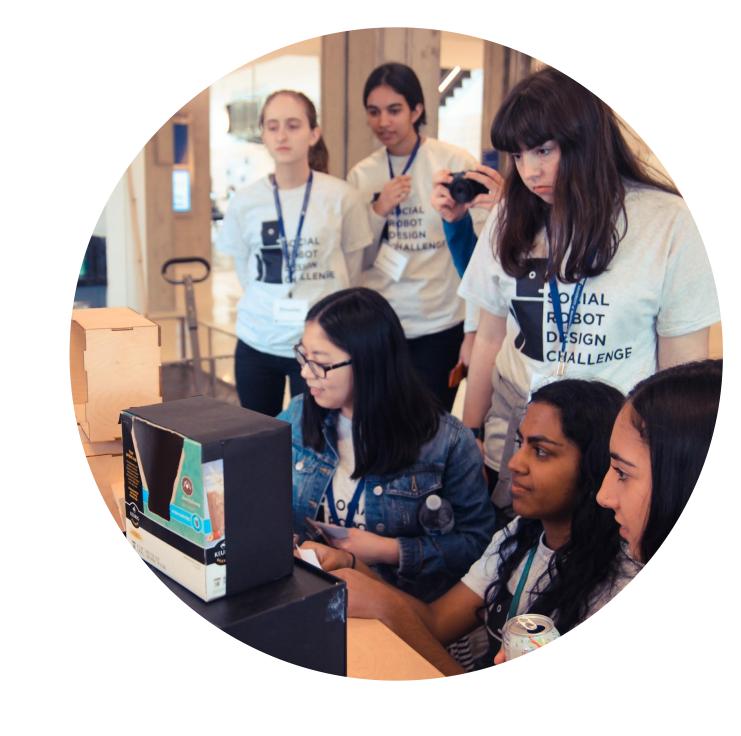
Project Activities 15 studies conducted so far.

Partnerships with **12** local area high schools. Engaged with **400+** teens.

Requirements

Customizable - ability for teens to change robot facial expressions, sounds, etc

End-user programming - Be able to create a robot that fits their needs and preferences



Project Approach Using a participatory approach to human-centered design, we engaged teens as co-designers to

develop project principles and social robot requirements.

Broader Impacts

Teens are the *future roboticists*, designers, and engineers.

Novel, creative and scalable solutions to support their mental health are essential to the success of our future.

Next Steps: Studies exploring remote access to EMAR given COVID. Eventual deployment study in a public high school to explore adoption and impact.

