Registration Form

TEAM INFORMATION

Team Name/Project Title: Wellness Augmentation Based Bot System (W.A.B.B.S)

Department: Computer Science

Faculty Advisor(s): Parcheta, Debra

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Team Members (full name, e-mail):

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PROJECT INFORMATION

Description:

Provide a one-sentence, 25 words or less description of the project. This will be printed in the event program.

The W.A.B.B.S, with its emotion recognition, will be the foundation for a new era of automated robots to aid children with disabilities.

Abstract:

Provide a brief summary of the project, 250 words or less.

Imagine a world where every child can learn through play, we have built the foundations for this future with the Wellness Augmentation Based Bot System(WABBS). In collaboration with the CU Denver Bioengineering lab, we have aided in the creation of a socially assistive robot that will engage impaired children to, through play, reach developmental milestones. We have created an app that is bright, colorful, expressive, and high contrast to draw and maintain the child’s attention onto WABBS. To get this attention, we capture near real time images of the child and mimic their emotion using a cartoon rabbit face drawn onto the WABBS’ face.