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(57) Abstract :

ABSTRACT The present disclosure discloses an automated robotic utility (102) for assisting individuals with impaired limb control during eating and drinking, comprising a robotic arm system (104) configured to hold and manipulate a silicon spoon, a glass holder with straw, and a fork, an Arduino-based control system (106) for coordinating the movement and position of the robotic arm system, a user-controlled feeder system (108) for dispensing liquid and semi-solid food onto the silicon spoon, adjustable based on individual needs and dietary requirements and a joystick interface (110) for intuitive user control of the robotic arm system, facilitating precise positioning of the utensils. FIG. 1

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