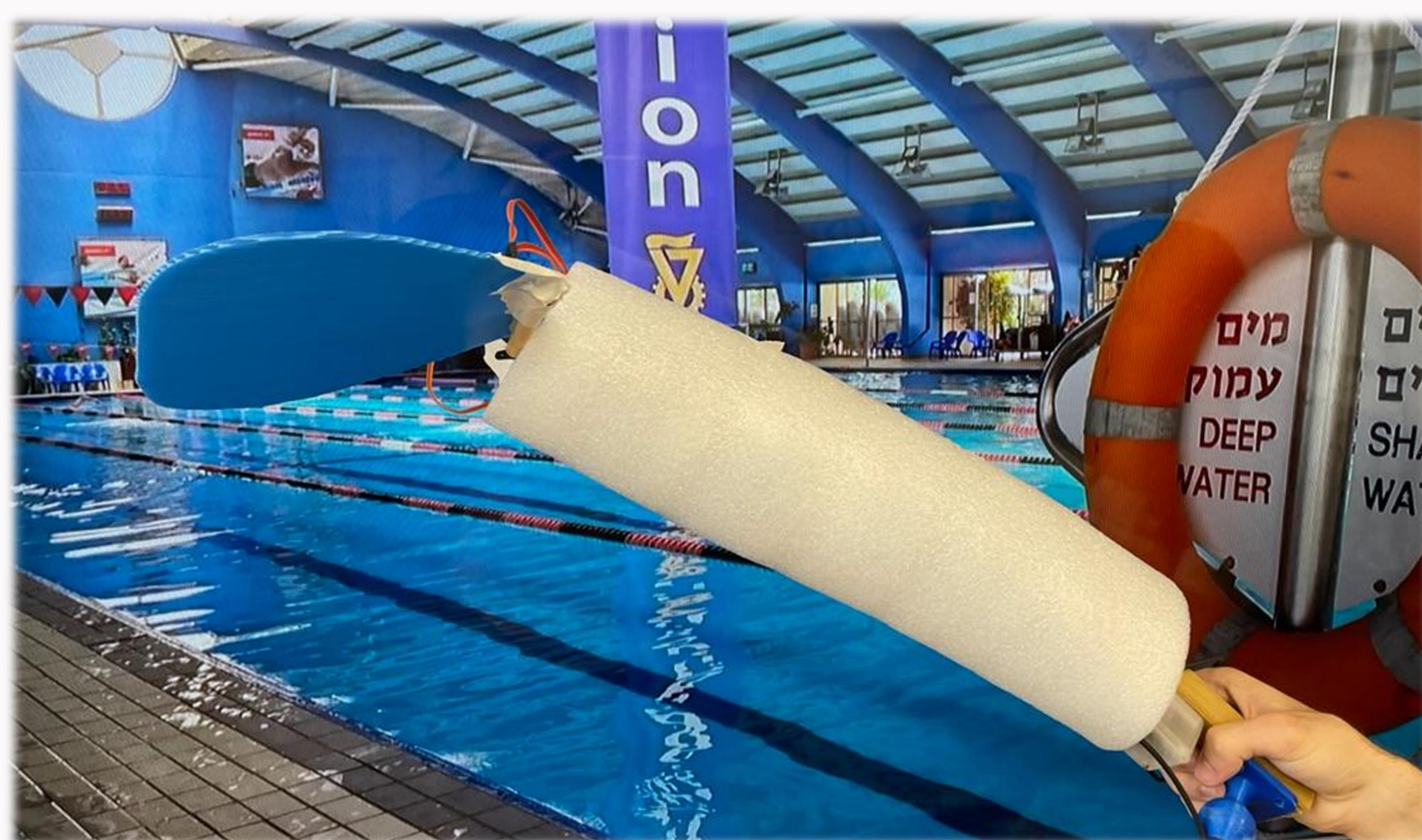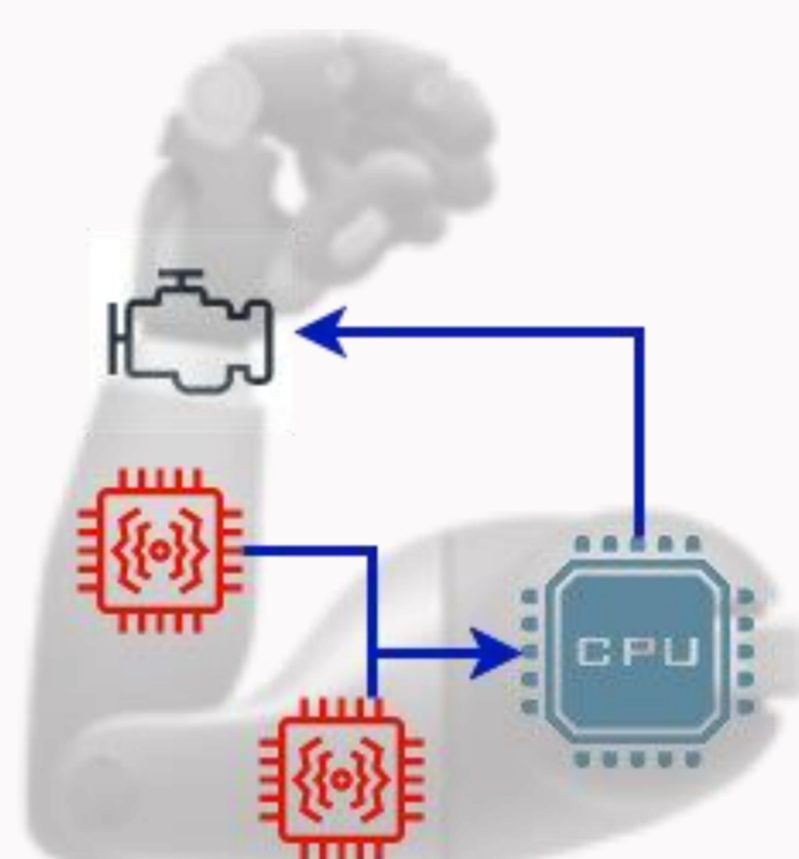# Swimming Hand

Helping amputees swim naturally

Swimming Hand

A dynamic prosthetic arm that enables above-elbow amputees to mimic a natural swimming stroke.

Current prosthetic arms remain static regardless of a swimmer's position in the water making them cumbersome to use.
Swimming Hand uses a neural network running on the prosthetic to predict the desired hand position and moves the hand accordingly creating a natural stroke.

Team members: Ben Shani, Noa Rosenthal, Nadav Kiri
Instructors: Shachar Katz, Tom Sofer, Itai Dabran

A Project in Internet of Things (IoT)

Computer Science Department   הטכניון מכון טכנולוגי לישראל