NAME: NZEKWE KINGSLEY CHUKWUDI

DEPARTMENT: COMPUTER SCIENCE

REGISTRATION NUMBER: 2022/HND/35493/CS

LEVEL: HND 2

GENETIC ALGORITHM (Cognitive Science Applications)

1. NASA

   - Application: Optimizing antenna design using genetic algorithms.

   - Website: [NASA](https://www.nasa.gov)

2. Goldman Sachs

   - Application: Optimizing trading strategies and portfolio management.

   - Website: [Goldman Sachs](https://www.goldmansachs.com)

3. Hyundai

   - Application: Design optimization for improving vehicle performance and efficiency.

   - Website: [Hyundai](https://www.hyundai.com)

4. Boeing

   - Application: Aerodynamic design optimization of aircraft components.

   - Website: [Boeing](https://www.boeing.com)

5. Procter & Gamble

- Application: Product formulation and packaging design optimization.

- Website: [Procter & Gamble](https://www.pg.com)

DEXTERITY (ROBOTICS)

1. ABB Robotics

- Application: YuMi collaborative robot with advanced dexterity for assembly tasks.

- Website: [ABB Robotics](https://new.abb.com/products/robotics/yumi)

2. Fanuc

- Application: CRX collaborative robots with precise handling and dexterity for manufacturing.

- Website: [Fanuc](https://www.fanuc.eu)

3. Universal Robots

- Application: UR series collaborative robots with dexterity for various industrial tasks.

- Website: [Universal Robots](https://www.universal-robots.com)

4. KUKA Robotics

- Application: LBR iiwa lightweight robot with sensitive dexterity for complex assembly.

- Website: [KUKA Robotics](https://www.kuka.com)

5. Rethink Robotics

- Application: Sawyer collaborative robot with high dexterity for precise tasks.

- Website: [Rethink Robotics](https://www.rethinkrobotics.com)

MULTISENSORY INTERFACE (Neural Interface Applications)

1. Leap Motion

  - Application: Hand tracking technology for interacting with digital environments.

  - Website: [Leap Motion](https://www.leapmotion.com)

2. Microsoft HoloLens

  - Application: Mixed reality headset incorporating visual, auditory, and spatial interfaces.

  - Website: [Microsoft HoloLens](https://www.microsoft.com/hololens)

3. Neurable

  - Application: Brain-computer interface for controlling digital devices with neural signals.

  - Website: [Neurable](https://www.neurable.com)

4. Magic Leap

  - Application: Mixed reality headset integrating visual, auditory, and haptic feedback.

  - Website: [Magic Leap](https://www.magicleap.com)

5. Ultraleap

  - Application: Haptic feedback technology using ultrasound waves to create tactile sensations in mid-air.

  - Website: [Ultraleap](https://www.ultraleap.com)