***Attachment 5 - Examples***

***Transportation***

**Hyperloop-** the Hyperloop is an electric vehicle concept that can travel at the speed of airplanes but at the ground level. These vehicles would fly passengers within partially-evacuated tubes.

**Transport pod -** Transport pods are vehicles that can run on magnetically levitated rail lines. These pods could travel up to 150 mph and would each hold up to three passengers.

***Architecture***

**Hydropolis -** Hydropolis is an underwater hotel concept that would allow guests to experience underwater and above-water facilities.

**Dynamic Tower-** The Dynamic Tower is a proposed skyscraper powered by wind turbines and solar panels. Each floor can rotate independently from one another.

**Galactic Suite Space Resort -** The Galactic Suite Space Resort is a mini space station concept that orbits in low Earth orbit. It would act as a hotel in space for tourists.

***Health and Fitness***

**Prosthetics-** Prosthetics are mechanical devices that can replace human limbs. They must be comfortable to wear, function efficiently, and look good. There is an ongoing demand for designs to be lighter, stronger, and have a seamless transition to the body.

**Sports Safety Equipment -** Clothing and gear are being designed to keep athletes safe and maintain a high level of competition. New products being developed include antimicrobial swimwear, carbon fiber bikes, and game-time biomechanical data to prevent injuries.