***Technology***

**AI and Machine Learning**

AI and machine learning are two related technologies that enable systems to understand and act on information in much the same way that a human might use information. AI acquires and applies knowledge to find the most optimal solution, decision, or course of action. Machine learning is a subset of AI that applies algorithms to large datasets to discover common patterns in the data that can then be used to improve the performance of the system.

**Blockchain**

Blockchain is essentially a data structure containing transactional records (stored as blocks) that ensures security and transparency through a vast, decentralized peer-to-peer network with no single controlling authority. Cryptocurrency, such as Bitcoin, is an example of a blockchain application.

**Data Mining**

Data mining enables patterns to be discovered in large datasets by using machine learning, statistical analysis, and database technologies.

**Mixed Reality**

Mixed reality includes technologies, such as virtual reality (VR), augmented reality (AR), and extended reality (XR), that deliver an immersive and interactive physical and digital sensory experience in real time.

**Natural Language Search**

Natural language search is the ability to understand human spoken language and context (rather than a Boolean search, for example) to find information.