

Emerging technologies

- **Artificial Intelligence:** - is the simulation of human intelligence processes by machines, especially computer systems.
- **Blockchain:** - is a database that stores encrypted blocks of data then chains them together to form a chronological single-source-of-truth for the data.
- **Augmented Reality and Virtual Reality:** - **Augmented reality (AR)** adds digital elements to a live view often by using the camera on a smartphone. **Virtual reality (VR)** implies a complete immersion experience that shuts out the physical world.
- **Cloud Computing:** - is the delivery of computing services—including servers, storage, databases, networking, software, analytics, and intelligence—over the Internet (“the cloud”) to offer faster innovation, flexible resources, and economies of scale.
- **Angular and React:** - AngularJS is a structural framework for developing dynamic web apps, whereas react is a JavaScript library that allows you to build UI components. Angular JS is based on MVC (Model View Controller) whereas react is based on Virtual DOM. Angular is based on Typescript and React is based on JavaScript.
- **DevOps:** - is a set of practices that combines software development and IT operations. It aims to shorten the systems development life cycle and provide continuous delivery with high software quality. DevOps is complementary with Agile software development; several DevOps aspects came from the Agile methodology.
- **Internet of Things (IoT):** - describes the network of physical objects—a.k.a. "things"—that are embedded with sensors, software, and other technologies for the purpose of connecting and exchanging data with other devices and systems over the Internet.
- **Intelligent Apps (I-Apps):** - Intelligent apps are applications that use historical and real-time data from user interactions and other sources to make predictions and suggestions, delivering personalized and adaptive user experiences.
- **Big Data:** - extremely large data sets that may be analyzed computationally to reveal patterns, trends, and associations, especially relating to human behavior and interactions.
- **Robotic Processor Automation (RPA):** - is a form of business process automation technology based on metaphorical software robots or on artificial intelligence /digital workers. It is sometimes referred to as software robotics.