

How will technology change our lives in 20 Years?

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1.ABSTRACT

We don't know what shape technology is going to take but looks like the next 20 years we would progress and live in a world of AI. Technology is all around you and right now machines are not interacting with us and each other, in the next 20 years you will see machines talking to each other and understanding humans and owners. security. Trends in technology have major implications for both private and social life in the coming decades. Current technologies like social media offer insights into the future of social interactions.

Technology has literally revolutionized the world and our lives. We are so dependent on technology. The Technology is changing or developing day by day. We cannot imagine how will change future technology. The present day civilization indicates that technology plays a central role in shaping the society. Recent advances in technology like the Internet suggest that the society will be even more dependent on technology in the future than today. Technology will continue to transform education and learning in the future. Many previous arguments on the role of technology in education suggested that advances in technology would replace traditional classroom learning within a short period. In twenty years, however, the role of traditional classroom settings will be significantly reduced. Teleconferencing and similar applications of information and communication technologies will enable institutions to simulate traditional classroom settings without actual physical structures.

New technologies will also change the nature of learning by allowing access to vast sources of knowledge. Technology will be a key element in fostering security in the society in twenty years. Recent technologies like the Internet pose major challenges to the individual security of people.

2. Introduction

Technology has literally revolutionized the world and our lives. We are so dependent on technology that we cannot even pass a couple of hours without it. We are ruled by technology, and there is no denying that. Whether it is a good thing or bad, that's a different and separate debate, but the reality is we simply cannot function without technology anymore. The Technology is changing or developing day by day. We cannot imagine how will change future technology. Sometimes it is so difficult to think about that. But we can explain some possible future technology based on our current technology knowledge. The current times that we are

living in, technology has advanced to a whole new level. There is some technology at the beginning level which would bring an incredible change in our future lives. I would like to mention some of them.

IoT is the world where every device can talk with each other through the internet. That means, one device updates its data on the internet and another device can read the data from the internet when it is needed. This is obviously world changing idea. For example, your alarm clock knows your office location and working time. It also can know the traffic updates through the internet. If the road is free it says you to sleep more. If the weather is bad, your umbrella says you to keep it, when you leave home.

Top companies like IBM, Cisco, Intel, Dell are already started hiring IoT developers and remaining companies are moving towards IoT sector they are also searching for skilled IoT engineer and developer. They are developing devices as connectable to the internet. I think after one or two decades, all devices will be connected and the world will be full of IoT world.

Virtual Reality is transforming the way we interact with the objects and environment around us. Increasing use and adoption of virtual reality in various sectors is driving the growth of the Virtual Reality industry. Virtual presents a 3D computer generated environment which a person can explore and interact with and the person becomes a part of the near-reality world. Virtual reality is gaining popularity across various sectors such as healthcare, entertainment, real-estate, education, etc. VR is being used to provide training to doctors and employees to avoid any mistakes.

3 Rewiew

In the next ten to twenty years specialized and general purpose robots will become both capable and affordable enough to begin replacing many unskilled and semi-skilled laborers. Much of the technology already exists now, but is recently or predicted in the near future to fall to prices that justify the expense. Autonomous cars are predicted to be available for general sale in the next five to six years. 94.7 million vehicles with self-driving capabilities will be sold annually around the world by 2035. Self-driving cars will disrupt taxicabs, trucking, and even parking lots and attendants. Fully automated parking doesn't need space for ramps, stairs, or people elevators. 20 years in an absolutely obscene timeframe in today's tech world. 20 years will probably see very magical things today become common place. if you think that assessment it a reach, simply look back 20 years ago, when cell phones were still "pretty nifty". 20 years before that? EVERYONE was stuck standing next to a wall-mounted pair of wires. my point is that we're accelerating more and more with every year. In short, we are living in an absolutely incredible time. Yes, you could say that from the perspective of (mostly) everyone that has ever lived - that they're better than they used to be - but today's incredible pace of advancement is what makes it super-cool now as opposed to even the most recent decade

4.Methods And Materials

. Research Approach

We first carried out a survey of people using online form creator and data collection via service chat and collected data from people about the awareness in people and then referring to previous papers we have organized the code and conducted experimentation on the existing code.

5.Data And Results

After creating our data collection form, we sent it to various people and collected data on various aspects of what they think about the near future of the Automated Vehicles in the day life.

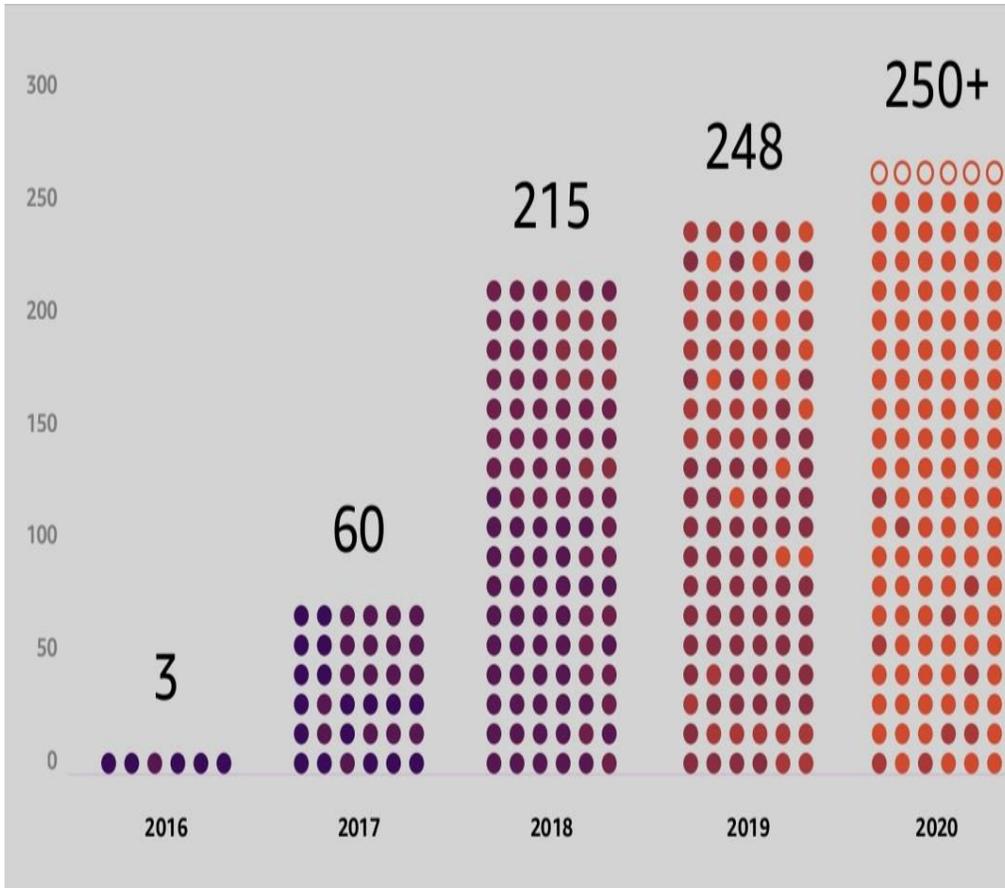
. Questionnaire

- 1.Do you think virtual reality is the future ?
- 2.Do you think platform of social media will be more in future?
- 3.Do you think use of robots and use of advanced machine will increase in future?
- 4.what do you think which type of technology has changed in our 20 years

These are some of the Questionnaire from the survey which has been helpful for me in searching for the result of what and how the automated cars can be used

.Results

Over the course of the mid to late 20th century, the birth of the information age took place with a growing reliance on digital technologies providing the driving force behind the innovations which have led to the start of the current digital age. The question of whether we have reached singularity between humans and technology is one on the lips of many scientists and technology experts who feel this time is closer than ever before but may not have occurred before the expiration of the next two decades. In 2020, whether you were a data scientist or not, we all got a glimpse of this growing data curve as scientific researchers, pharmaceutical companies, governments, and healthcare institutes turned every resource toward developing vaccines, novel treatments, and other means to help the world stay healthy during the pandemic. All these efforts required generating and processing vast amounts of data. Whether in healthcare or other applications, the only realistic way to handle all the information we are seeing is to use ingestion and aggregation tools, married to Machine Learning (ML) models that can help make sense of it. It's no wonder then that this year ML went mainstream.



In 2020 we were introduced to social distancing. As we spaced ourselves out, it gave us all the chance to take stock and rethink how our cities live, breathe, and flow. Many of the places we live and work have been built on decades-old assumptions (or centuries-old, depending on where you live) that don't hold up anymore—or at the very least, don't perform well in a pandemic.

With the help of advanced data analytics, 2021 is the year when we will start to figure out how to better design our cities to give us the advantages of social distancing, without feeling so distant. Our planning will consider things like how we make our communities healthier and safer, rather than simply denser and more efficient. It's the true convergence of the digital and the physical. For example, using advanced data analytics technologies and ML, cities will be able to analyze foot traffic to understand how pedestrians move around, whether that is filing into a stadium, out of a grocery store, or onto a subway platform. Big-box stores have been using a version of this technology for many years to analyze the foot traffic at any given moment, and help move people in real-time past the best deals or advertising. But add ML models to the tool kit, with a desire to solve tougher real-world problems, and we can spot the bottlenecks and the danger spots before they occur.



	 Percent of Businesses	 Share of the GDP	 Women Owned
 EU →	99.8%	57%	27%
 US →	99.7%	44%	37%
 SE Asia →	99%	43%	23%
 Africa →	90%	40%	30%
 LATAM →	99.5%	25%	26%

6. Discussion

Before 2020, I used to spend a lot of my time in these parts of the world, talking with customers and listening to their stories of how they are using technology to overcome local challenges. In my time in these regions I have seen a great potential amongst their small, and medium sized businesses and have always been inspired by their stories. In sub-Saharan Africa, 90 percent of all companies are small businesses, which make up 40 percent of GDP, and account for \$700 billion in the economy. In Southeast Asian countries, small and micro businesses account for 99 percent of businesses in several key sectors, most notably tourism and handicrafts. Online penetration in these countries is already among the highest in the world so going online allows small and micro businesses to reach beyond their communities and stay trading even when their worlds are shutting down around them. A good example is Warung Pintar, in Indonesia, which combines both the technical services and the small business side with its cloud-connected food stands. Picture the roadside food and sundry stands that are ubiquitous in Indonesia, and across SE Asia and other parts of the world—in Latin America you might call them a tiendita. These very places are usually run by a solo-operator and you can get a cold drink, a snack, and top up your mobile. Warung Pintar’s version offers all of that, but the stall and its operations are connected to

the cloud. A Warung Pintar stall operator now gets inventory management and tracking, sales analytics, cashless payments, WIFI, and more, all in a bright yellow package. Operators of these stalls might have previously relied solely on passing foot traffic but can now start to know and nurture their customer base. Previously, the items they stocked and sold were sourced mostly on gut feel, but they can now analyze and understand what's making them money and what's just taking up scarce space. As these small businesses bring their unique perspectives and often craft goods to the world, expect them to begin to leapfrog a lot of the business practices we see in more established countries. These countries are not burdened with legacy technology or legacy thinking around what is possible for them, so the sky is the limit.



Something we have seen again and again in the past is if you can democratize the most advanced, most complex technology and make it affordable, available, and understandable to as many people as possible, great things happen.

7. Conclusion

This study addresses how technology can be used to improve the readiness and effectiveness of the reserve components and their integration with the active components. Many technologies are expected to enhance the capabilities of the U.S. military in the twenty-first century, including precision weapons, high-fidelity sensors, long-range surveillance, enhanced stealth characteristics, and advanced communications and information systems. This study reaffirms the importance of improved communication and information systems, for improving comprehensive training and accelerating the mobilization of reserve components for military

missions in the coming decade. Although programs using these technologies are already under way in both the reserve and active components of the military, this study focuses on the effectiveness of reserve components and active-reserve integration. As the twenty-first century approaches, the number of full-time, active duty personnel in the U.S. military (excluding the Reserves and National Guard) is about 1.4 million, the lowest level since before World War II. Nevertheless, the U.S. military is supposed to be prepared to fight two major-theater wars almost simultaneously while conducting peacekeeping operations and other assignments around the globe. To fulfill this wide range of missions, the U.S. military must continue to rely on the Reserves and National Guard, which are known collectively as the reserve components. The current number of reserve components is almost equal to the number of active duty personnel. In the case of the U.S. Army, the number of reserves is double the number of active personnel

Communications technologies are providing substantial increases in bandwidth every year (vastly increasing the capacity to move large volumes of data quickly). Information technologies are providing dramatic increases in computing power and the capacity for worldwide access to information by users on either secured or unsecured intranets. The incredible brawn and speed of these technologies will give individuals unparalleled control over goods, services, and activities, all but eliminating the barriers of time and distance. Therefore, communications and information technologies will be especially important for improving the integration of reserve and active components, improving the readiness of reserve components for action, and enhancing the ability of reserve components to carry out future missions.

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