



## Editor's Point of View...

There is no denying that in the modern world, we are quite spoilt when it comes to technology. Many of us will even admit that it is something we simply can't live without now.

From speedy access to the internet on-the-go to the ability to instantly get in touch with almost anyone in the world by dialling just a few digits; recent technological developments have changed the way we live our lives.

However, has digital technology changed the way we live completely for the better or is there a downside to having almost everything at our fingertips? ***What's more – is it changing the way we live, think about and see the world?***

In the modern world, you cannot walk down the street, sit on a train or even eat at a restaurant without being surrounded by people with their eyes fixed on their smart phones, tablets and laptops. This isn't surprising as according to recent figures, global active internet users now total 3.175 billion. What's more, mobile users constitute half of the world population, with a huge two million smart phones being sold worldwide every single day.

Of course, our phones are now a far cry from what they used to be. We're now able to do more than just make a phone call. We check our emails, order our weekly food shopping, take photographs, listen to music, watch hours of videos; the list is endless!

As a user of digital platforms and a professional in the communications field, I see how quickly and effectively technology has opened doors, connected people from remote communities with the same interests, and provided new opportunities to women, vulnerable groups and especially to young people.

Technology has helped immensely to boost access to large amounts of information and has supported changes that have transformed our lives forever. The innovative potential of young people, combined with the power of technology, is already proving to be a powerful force on the road to achieving the Sustainable Development Goals.

Today, youth actively contribute to the creation of new jobs, economic empowerment of vulnerable groups, the promotion of better health systems and access to inclusive and quality education.

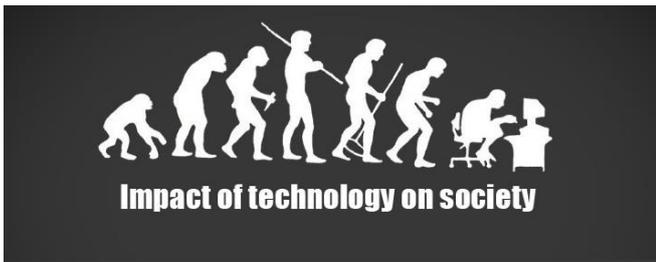
The business world is showing an increasing interest in the people side of change, and there is a very real reason for this companies are spending an increasing amount of their budget on technology and working to transform their operations to be more digital in order to provide a better experience for customers, employees, partners and suppliers while simultaneously creating a more efficient and effective business.

Regards,  
Sohan Khemka

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## Technology is changing How we live, but it Needs to change how we work...



What do you think of when you hear the word “technology”? Do you think of jet planes and laboratory equipment and underwater farming? Or do you think of smartphones and machine-learning algorithms?

Technology gets defined as that which is changing fast. If the other things are not defined as technology we filter them out and we don’t even look of them.

In today's economy, it's important to stay current in your industry. Keeping up with the latest trends and technologies is important if you already have a job, and it can be crucial if you are looking for work.

Over the years, technology has revolutionized our world. Technology has created amazing tools and resources, putting useful information at our fingertips.



Modern technology has made it possible for the discovery of many functional and utility devices like the smartwatch and the smartphone. With all of these revolutions, technology has also made our lives easier, faster, better... and more fun.

Digital technology has also changed what people term as ‘media.’ A media company isn’t necessarily a news platform anymore. A media company is now known as a company that helps to pass information across the globe. The global active web users are now near 3.2 billion people.

That’s almost half of the world’s population. Around the world, two million smartphones are sold every day. The amount of information being shared on social media networks is phenomenal.

Social media isn’t the only big statement digital technology has made. Neither is social media the only way technology has had an impact in everyone’s life.

Before the advent of mobile technology, you had to search through a dictionary to understand the meaning of a word. Today, that phenomenon is still preserved, but it is used less and less; now you can look it up on a dictionary app you downloaded or just search the internet.

Then



VS



Now

The future of technology is even more interesting than what is happening right now. In few years, we will be talking about driver-less cars and robots working in factories. However, let’s focus on highlighting the ways technology has changed our lives. Below are some of the ways we have been transformed by technology.

Technology has changed how we communicate, how we pay bills and transfer money, how we watch TV,

May the force be with you but what the force you ask is!! Actually, Technology has been a remarkable force in our lives and continues to affect it to a great extent. Ever since coming into the picture, technology has not been only contributing to our lives but changing the way we live.



Over the years, Technology has created countless opportunities with endless resources which have practically changed the way things are rolled.

From auto-corrects to checking body pain, and from navigating through streets to tracing our directions, technology has been there helping out every time we end up in a maze. And that’s not all folks!!!! Owing to Technology, we have witnessed so many rags-to-riches stories.

Now it is proved that technology has changed the way we live but now it’s time to change the way we work.

Every workplace can benefit from technology. Even a small plumbing business with three employees can use software to track clients and document all aspects of work. Accounting and marketing software programs are available to help small and large businesses. Although software is designed to save time and energy, it's important to remember that technology can erase the human touch if it’s carried too far. Now the question is in this present era are you still following the old filing system? Most institution like academic, governmental & commercial institutions need some sort of system to address questions related to tracking and the storing of documents to all kinds of the media. Document Management System commonly provides solutions for the access, review, upload and download documents and queering capabilities. The main requirement of Digital Document Management System is to convert paper documents into digital form. The purpose of this paper is to report on the process and the results of document management software development and the implementation in various sectors.

Document management has an important role in organizations. Recent research indicates that nearly 10% of average worker’s workload goes into finding existing documents or information. Time and effort is often spent on finding the last version of a particular document. Even worse, sometimes many “last” versions of the same document may exist and someone then compiles them into one, truly the last version of that particular document. This leads to waste of valuable resources, let alone mistakes in such documents.



Resources are easily wasted also in document deliveries. Emails are often used in companies to distribute documents to relevant stakeholders. PowerPoint presentation documents easily become 10 megabytes in size, especially, if a few images are added to the presentation. Distributing a 10-megabyte attachment in an email to 20 workers at the office will consume 200 megabytes space from the company’s email server. Office workers easily receive dozens of emails per day, thus optimizing the way documents are distributed becomes also important.

At the same time, business practice suggests that effective document management practices can mitigate the challenges mentioned above. If employees know where to find necessary documents easily, they can immerse into productive work instead of looking for documents, as documents are agreed to be kept in certain predetermined locations in the organization. Document management systems also help to mitigate server management challenges related to hard drive space. When employees are guided to send links to the documents, instead to the documents themselves, it helps keep free space on the hard drives of servers.

These examples show a glimpse of best practice in Document Management Software that can improve effectiveness of the daily work of employees related to the use, storage, delivery and updating of documents.

Recently many enterprises have transformed paper based document into digital form to use and share information efficiently. This brings benefits to enterprises like far better control and management of documents efficiency in maintaining, accessing and distributing documents. With the help of docManager® you can change the way we work.

## Your Personal Digital Genie

Sohansh, Shrey And Ansh Were Three Best Friends Staying In 3 Different Cities So They Planned A Trip To Dubai As A Reunion. They Were Meeting After 3 Long Years And Were Very Excited About The Trip. Also It Was the Bachelor’s Party of Shrey as He Was Getting Married Soon.

It Was A Lovely Day And Finally Their Trip Began. They Had A Flight To Dubai From Mumbai Airport. Shrey Reached The Airport Very Late With Some 3 Files In His Hand But Somehow They Managed To Catch The Flight. On The Full Way To Dubai, Ansh And Sohansh Enjoyed But Shrey Seemed Very Tired And He Slept. After Reaching Dubai They Decided To Go To Watch A Famous New Movie “Aladdin And His Genie”. All The While Shrey Looked Much Tensed And He Got A Call After The Movie From His Office That Shrey Has Mistakenly Taken Some Wrong Documents With Him And He Has To Reach Back To The Office In 2 Days With The Documents And Also Explain Them With All The Modifications.

Shrey Got Very Frustrated And Wished That He Too Had A Genie Like Aladdin Who Would Find His Documents, Carry Them Or Send Them To Office And Also Would Have Records Of The Changes So That He Could Enjoy His Trip And Marriage And Need Not To Worry About His Documents.

Listening to This Ansh Exclaimed That You Can Have a Genie My Friend .Sohansh’s Company Has Got a Genie for People like Us.

Later Sohansh Added That I Have a Genie for You Named “docManager®” which is a Product of Cr2 Technologies. It Would Reduce Your Stress To Zero.

Document Management Systems Are Electronic Filing Cabinets That Provide A Framework For Organizing All Digital And Paper Documents. These Systems Work With Scanners, Which Convert Past Paper Documents Into Digital Versions. Through Sophisticated Search Engines, Document Management Systems Allow Quick Access to Any Document or File At Any Location and Time.

### Functions docManager® Would Do for You on a Single Click Just like the Genie Does for Aladdin on a Single Demand:

- Storing Various Document Types, Including Word Processing Files, Emails, Pdf and Spreadsheets.
- Searching an Entire Library of Files by Individual Keyword.
- Restricting Access to Certain Documents.
- Monitoring Who Is Viewing Documents And When.
- Tracking Edits to Documents.
- Retrieving Previous Versions of Edited Documents.
- Controlling And Regulating When Outdated Documents Can Be Deleted.
- Accessing, Editing and Sharing Documents via Mobile Devices.

Listening To All This Shrey Felt Relieved And Arranged A Meeting Of Sohansh With His Company Which Was Successful And Took Away All The Stress Of Papers From Shrey As Well As The Full Organization.

Now Shrey Happily Enjoyed His Trip with His Friends and Was Thankful to Ansh and Sohansh after Having His Personal Genie “docManager®” With him through which he can find his documents in a single click and can use his documents from anywhere, any time with any device. His stress related to document is being released with the help of docManager®.



**How Can Docmanager® Be Your Personal Digital Genie**

## Fundamental of Science & Technology

We cannot imagine our usual life without some advancement, caused by Science and Technology progress. In fact, our existence changes in minutes now, something new appears each single day, what makes humans life easier and more comfortable in some aspects. So, the age we have chance to live in now is considered to be called the era of science and technology.

Actually, Science and Technology introduces us the foundation of up-to-date civilization. This progress has contributed greatly to mainly each aspect of our everyday life. So, people have an opportunity now to enjoy its results, having their lives more comfortable and pleasurable.

The evolution of science is like a boon to the world, as human beings come to know a lot about the world they are living in including the activities they indulge into. Furthermore, the development of technology along with the advancement in Science helps to bring in a revolution in various fields such as medicine, agriculture, education, information and technology, and many more.



In the present world, if we think of any sort of development, then the presence of science and technology cannot be ignored.

### What is Science?

Science fundamentally is the systematic study of the structure and behaviour of the natural and physical world through observations and experiments.

Study of science evolved with the civilization of human beings.

### What is Technology?

Technology (which is basically derived from the Greek word '*technologia*') is an art, skill or ability, which is used to create and develop products and acquire knowledge.

Scientists used their knowledge to develop technology and then used technology to develop Science; so, because of this reason science and technology are an integrated term in today's world.

### Role of Science & Technology in Today's Life

In today's world, the role of science and technology is indispensable. We need Science and Technology in every sphere of our life like to treat diseases such as cancer or even to book a cab or train/flight ticket.

In fact, without technology (integrated with science), we cannot imagine our life per second.



One of the most important aspects of Science and Technology is that it has solution to the difficult of the difficult problems, the problems which have the potential to become major bottlenecks to the overall growth of the country. Some of these problems could be –

- Health aspects
- Standard of education
- Availability of healthy food and safe drinking water
- Infrastructure

On the other hand, once mitigating solutions are found for these problems, then the second major issue is the under-development in the field of scientific research and technology that directly affects the development of the country's economy,

infrastructure, higher education, and a few other fields listed below –

- Development of nuclear technology
- Defence technology
- Development of satellites
- Biotechnology
- Meteorological science
- Space technology
- Nanotechnology
- Wireless communication, etc.

All these technologies, in turn, provide favourable conditions for the country's growth and increase healthy competition nationally and also internationally.

In today's world, more often, we get to read or listen that developed countries, developing countries, underdeveloped countries, or even third-world countries, all these designate the level of development of Science and Technology in other countries, they have the influence on.

Government has also created an exclusive department to emphasize on the development of Science and Technology and a separate budget is also allocated for the same.

Thanks to new technologies, people now have many opportunities and choices.

**Real Time example Of Science & Technology,**

- They can study online sitting at home by using Internet benefits and available sources of information. They can even study at university on distance learning basis. The same thing is about work. There are many freelance options, which help people to provide for the living without going to offices each morning. Scientists have made it possible to take the highest benefits from technologies.
- Science and Technology has also affected greatly our means of transportation, by making it easy to travel from one place to another quickly. All buses, ships, aero-planes use the benefits of new advancements.
- Thanks to the development of Science, men are now able to explore other planets.

- Nowadays, newly created satellites are used to bring a light concerning outer space.
- Many medicines, which are created to save million people lives, are also products of science.
- Science and Technology provides us also with some things people cannot imagine their lives without: television, Internet, radio.
- The latest technologies also help to increase the production of goods and different crops. The same is about work on factories, where manual work is replaced by new devices.
- Urbanization, expansion of the villages, cities, factories, changes in economics and country's well-being.
- Organizations can store or archive, track or retrieve & manage the pile of documents. Using software like **docManager®**, they can access documents anytime, anywhere. this is possible due to information technology, which ultimately saves the papers, so saves the environment.

All these things mentioned above were possible only due to the rapid development of science and technology. So, no wonder that it plays a significant role in the modern life of people. Thanks to this development, we have entered another level of human civilization, having everything to arrange happy and comfortable living

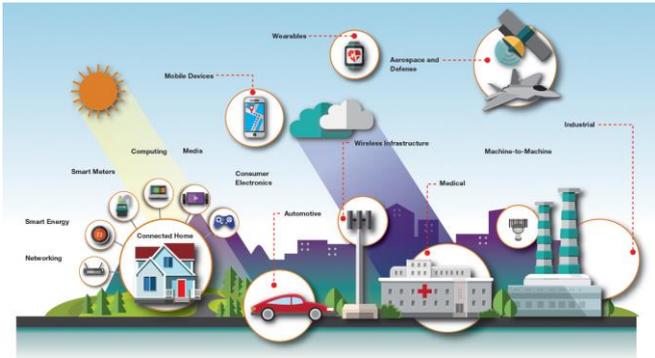
These tree words, development, science and technology, always go together and are very necessary for people and their better living. We can say that our life depends on new inventions and scientific creations. As science and technology changes people life to a very great extent.

Alongside with many advantages, some people also consider science and technology to be harmful for humans. The deal is that it is also used for some destructive purposes. Scientifically created weapons like atom or hydrogen bombs are able to destroy the whole world in just few minutes

In conclusion, it must be admitted that science and technologies can lead human civilization to perfection in living. At the same time, everything should be done in wise perspectives and to some extents, not to harm and destroy the world. Earth has sound for those, who listen.

## Internet of Things

IoT systems allow users to achieve deeper automation, analysis, and integration within a system. They improve the reach of these areas and their accuracy. IoT utilizes existing and emerging technology for sensing, networking, and robotics. IoT exploits recent advances in software, falling hardware prices, and modern attitudes towards technology.



### IoT – KEY FEATURES

The most important features of IoT include artificial intelligence, connectivity, sensors, active engagement, and small device use. A brief review of these features is given below:

- **AI** – IoT essentially makes virtually anything “smart”, meaning it enhances every aspect of life with the power of data collection, artificial intelligence algorithms, and networks. This can mean something as simple as enhancing your refrigerator and cabinets to detect when milk and your favorite cereal run low, and to then place an order with your preferred grocer.
- **Connectivity** – New enabling technologies for networking, and specifically IoT networking, mean networks are no longer exclusively tied to major providers. Networks can exist on a much smaller and cheaper scale while still being practical. IoT creates these small networks between its system devices.
- **Sensors** – IoT loses its distinction without sensors. They act as defining instruments which transform IoT from a standard passive network of devices into an active system capable of real-world integration.
- **Small Devices** – Devices, as predicted, have become smaller, cheaper, and more powerful over time. IoT

exploits purpose-built small devices to deliver its precision, scalability, and versatility.

### IoT – USES

IoT has applications across all industries and markets. It spans user groups from those who want to reduce energy use in their home to large organizations who want to streamline their operations.

#### Engineering, Industry, And Infrastructure:

Applications of IoT in these areas include improving production, marketing, service delivery, and safety. IoT provides a strong means of monitoring various processes; and real transparency creates greater visibility for improvement opportunities. The deep level of control afforded by IoT allows rapid and more action on those opportunities, which include events like obvious customer needs, nonconforming product, malfunctions in equipment, problems in the distribution network, and more.

#### Government and Safety:

IoT applied to government and safety allows improved law enforcement, defence, city planning, and economic management. The technology fills in the current gaps, corrects many current flaws, and expands the reach of these efforts. For example, IoT can help city planners have a clearer view of the impact of their design, and governments have a better idea of the local economy.

#### Home and Office:

In our daily lives, IoT provides a personalized experience from the home to the office to the organizations we frequently do business with.

#### Health and Medicine:

IoT pushes us towards our imagined future of medicine which exploits a highly integrated network of sophisticated medical devices. Today, IoT can dramatically enhance medical research, devices, care, and emergency care. The integration of all elements provides more accuracy, more attention to detail, faster reactions to events, and constant improvement.

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