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## **Impact of Latest Information Communication Technology Changes on Social Development**

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### **ABSTRACT:**

With the exception of direct, person-to-person communication, all kinds of information transmission are fully digitalized. Sound, text, voice, and image is transmitted across great distances in binary, the computer language, which will create opportunities for the high-quality transmission of information. The economies and societies of nations all over the world are already undergoing significant change as a result of digital technologies, which are speeding up the automation of work, enabling cross-border financial transactions, and reaching vastly expanded audiences with global news and entertainment.

**Keywords:** - social development, society, information communication technology, satisfaction.

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### **1. Introduction:**

Information and communication technology (ICT) has contributed immensely to social and economic improvements, such as higher employment and productivity, increasing access to a higher quality of life. ICT incorporates electronic technologies and techniques used to manage information and knowledge, including information-handling tools used to produce, store, and process, distribute and exchange information. Benefits of ICT can be achieved directly, through improved healthcare provision and disease prevention, or indirectly, through improved social infrastructure, economic growth, or other broader determinants of population health.

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### **2. Objectives of the Study:-**

- To study the changes that occurred due to the development of ICT.
- To understand how ICT impacted on people.
- To study the ethical aspect of using ICT

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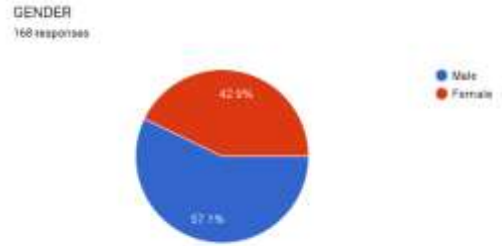
### **3. Scope of the study:-**

- To know the satisfaction level of people who are using ICT products.
- To know which type of people prefer most.
- To get idea that what is motivated them to use ICT products.

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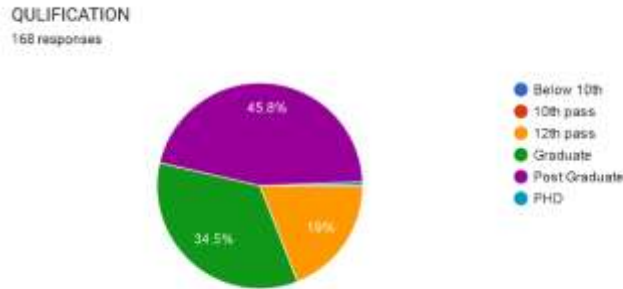
### **4. Statistical tools:-**

So, a total of 168 responses were collected and on that data the analysis and interpretation has been done.



**INTERPRETATION:**

A total of 168 responses are taken. Amongst which 57.1% were male and 42.9% were female.



**INTERPRETATION:**

A total of 168 responses are taken. Amongst which 45.8% were post graduate, 34.5% were graduate, 19% were 12th pass and 0.6% were PHD qualified.

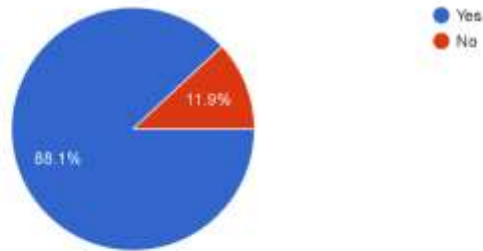


**INTERPRETATION:**

A total of 168 responses are taken. Amongst which 34% were students, 6% were homemakers, 33% were working and 27% were having business as their profession.

## Do you like to use ICT products?

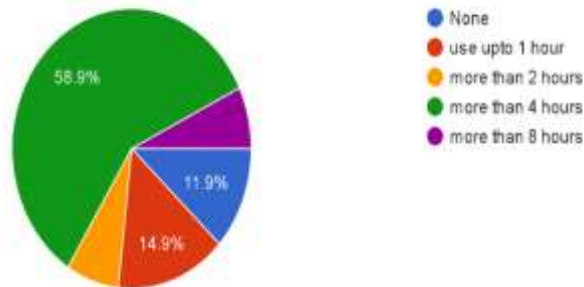
168 responses

**INTERPRETATION:**

A total of 168 responses are taken. Amongst which 88.1% people said they like to use ICT products and 11.9% people said they don't like to use ICT products.

## How much time do you spend per day on ICT products?

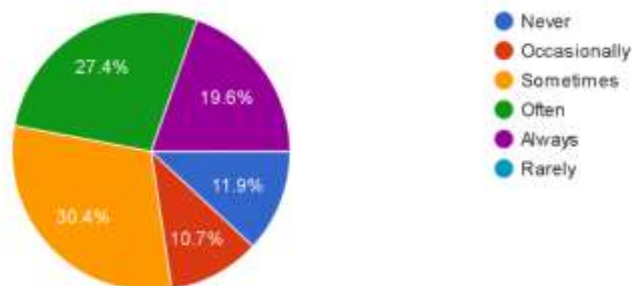
168 responses:

**INTERPRETATION:**

A total of 168 responses are taken. Amongst which 58.9% people were spending more than 4 hours in ICT products per day, 14.9% people were spending 1 hours per day, 11.9% people were spending none time in ICT products, 7.1% people were spending more than 8 hours in ICT products and 7.1% were using more than 2 hours per day in ICT products.

## How often do you use ICT products?

168 responses

**INTERPRETATION:**

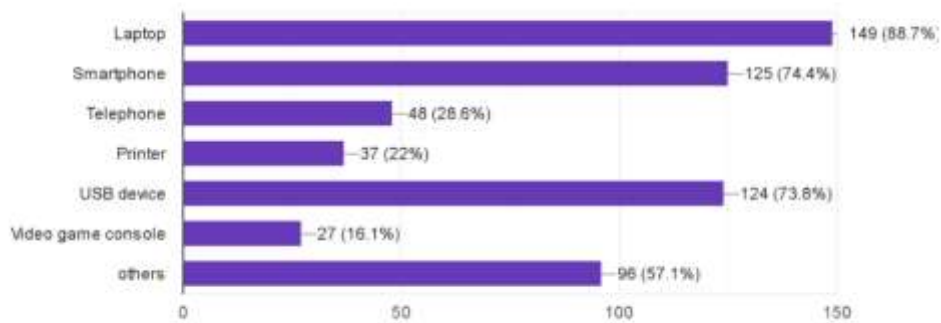
A total of 168 responses are taken. Amongst which 30.4% people were using sometimes, 27.4% people were using often, 19.6% were using always, 11.9% were using rarely and 10.7% people were occasionally use ICT products.



**INTERPRETATION:**

A total of 168 responses are taken. Amongst which 65% were thinking "YES" life will be easy with ICT products, 25% people suggested maybe and 10% people were thinking "NO".

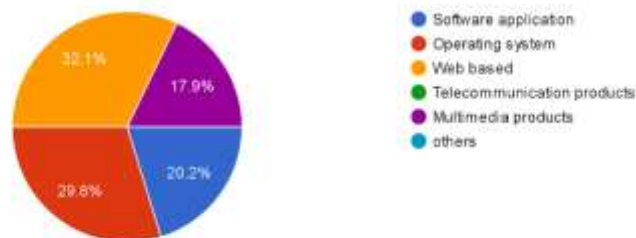
what is the ICT product you mostly use? Select multiple options  
168 responses



**INTERPRETATION:**

A total of 168 responses are taken. Amongst which 88.7% were using laptop, 74.4% were using smartphones, 28.8% people were using telephone. 22% people were using printer, 73.8% were using USB device, 16.1% were using video game console, and 57.1% were using other items.

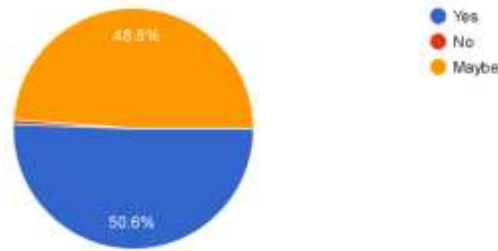
What kind of ICT products do you use?  
168 responses



**INTERPRETATION:**

A total of 168 responses are taken. Amongst which 32.1% use web based products, 29.8% use operating system, 20.2% use software applications, and 17.9% use multimedia products.

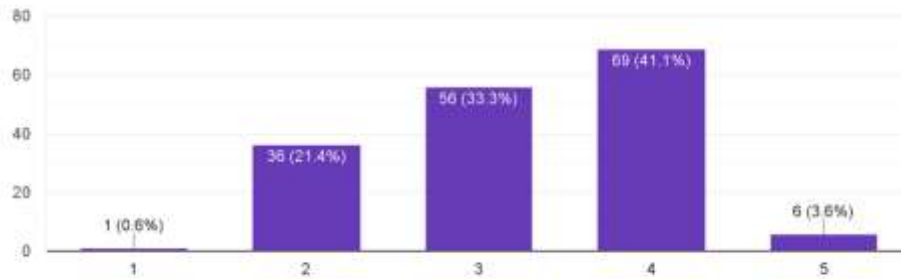
Do you believe that due to implementation of ICT there is development in environment?  
168 responses



**INTERPRETATION:**

A total of 168 responses are taken. Amongst which 50.6% people think there is development in environment due to the implementations of ICT, 48.8% people says “MAYBE”, and 0.6% people says “NO”.

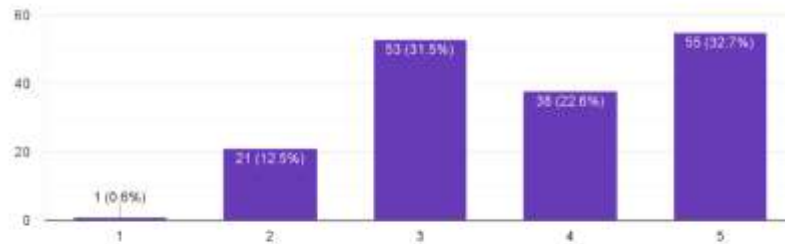
In the scale of 5 how helpful are ICT product in your daily life  
168 responses



**INTERPRETATION:**

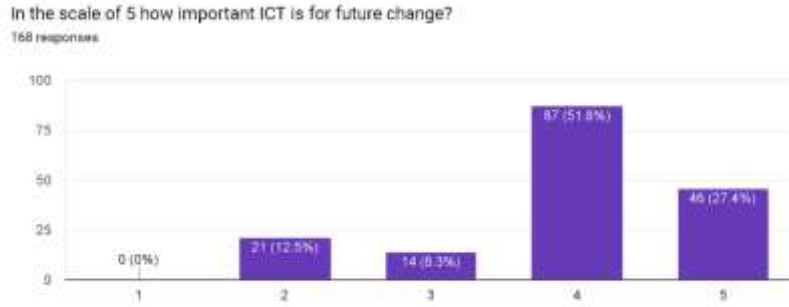
Out of the Sample being taken, only 3.6% of people find it most helpful to use the ICT Products, while 21.4% find it less helpful , compared to the neutral ones which is about 33.3% and there were also 41.1% ones who find it more helpful than that being from the neutral respectively.

In the scale of 5 how ICT is changing the society?  
168 responses

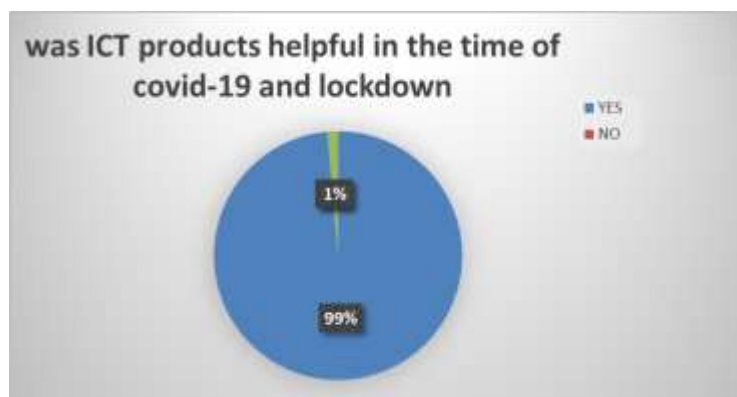


**INTERPRETATION:**

Out of the Sample being taken, only 32.7% of people find it extremely changing the society, while 12.5% find it less changes , compared to the neutral ones which is about 31.5% and there were also 22.6% ones who find it more changing than that being from the neutral respectively.

**INTERPRETATION:**

Out of the Sample being taken, only 27.4% of people find it most changes in future, while 12.4% find it less changing, compared to the neutral ones which is about 8.3% and there were also 51.8% ones who find it more change in future than that being from the neutral respectively.

**INTERPRETATION:**

A total of 168 responses are taken. Amongst which 99% people said ICT products were useful in the time of covid-19, 1% people said MAYBE, and 0% people said NO.

**5. Findings**

- ICT is helping in developing people and community with the help of technological and digital advancement in every one's mind.
- ICT products were helpful for all the people at the time of covid-19.
- The study shows majority of people are dependent in ICT products.
- The study also shows that majority of people are aware of ICT products and its uses.
- Majority of people thinks ICT is highly satisfying and helpful in developing the social community's.

**6. Suggestions**

- The future of ICT is never ending, there will be always some new technology introduced in our society so that we can communicate and make our connection with everyone.
- The importance of ICT was seen in the period of lockdown, because it helped everyone to do their jobs from home, students attended their classes and exams etc.
- There are many opportunities for everyone to earn money from technology nowadays, such as trading, streaming online games, online tutorials etc. this way ICT is helping and developing the society to grow

**7. Conclusion**

- With this study we can conclude that how important is information communication technology and how important it was for the development of society and community's.

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- With the introduction of ICT products people got aware of things and it helps in keeping people informed in today's era.
  - It is helping to connect everyone with the world. So that informations and data's should be helpful for all the people in need.
  - In future there will be more demand for ICT products because now it is a never ending and continues process now.

**8. References:**

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- <https://dare.uva.nl/document/14111>
- <https://www.oecd.org/sti/ieconomy/33946427.pdf>
- [https://www.researchgate.net/publication/251829011\\_Information\\_and\\_Communications\\_Technology\\_for\\_Development\\_ICT4D\\_-\\_A\\_Design\\_Challenge](https://www.researchgate.net/publication/251829011_Information_and_Communications_Technology_for_Development_ICT4D_-_A_Design_Challenge)
- <http://www.contrib.andrew.cmu.edu/~tongia/ictd2006.pdf>
- [https://en.wikipedia.org/wiki/Information\\_and\\_communications\\_technology](https://en.wikipedia.org/wiki/Information_and_communications_technology)