

# CONSUMER ELECTRONICS, ASSISTED LIVING AND RURAL SERVICES

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**ABSTRACT:** With the introduction of a variety of consumer electronic devices, every person on the earth is habituated to assisted-living which made their life easier and always keep them connected to the world. Even the rural areas have an access to the internet and keeping their things up to date. However, there is a need to evaluate the health risks of this assisted-living and rapid growing wireless network towers in populous areas.

**Keywords:** consumer electronic devices, assisted living, internet, health risks, wireless network towers.

## I. INTRODUCTION

The word "Assisted Living" has become famous these days. Assisted living also referred to as "digital living" or "virtual living" which means living with the assistance of electronic devices and any other type of consumer electronics. Even the people living in the rural areas have started depending on electronic devices such as smart phones, computers etc. We cannot imagine our world without computers. Just imagine a day without using computers or any other consumer electronics, oh no! All the transactions in the business industry have stopped working, no online stock trading, no online purchases, no online payments, all the billing systems stop working entire world will be in chaos situation, despite of fact that the internet and other services have widened the scope of rural services, there is a noticeable increase in health issues after the introduction of numerous network towers.

After the introduction of various internet applications and other consumer electronic devices, human beings became lazier and gave raise to various diseases. There are many evidences proving that the radiation from the mobile towers and smart phones will lead to fatal diseases like cancer and brain tumor. So there is a need to decrease the dependency on assisted living and improve the quality of health of the people.

## II. THE MAIN ISSUE

Twenty years ago, when the technology didn't develop to its fullest in rural areas, people in rural areas were using traditional methods of farming and communication, referring lots of books for getting small piece of information but had a great health conditions. After the introduction of technological based services in rural areas and with the availability of various consumer electronics, the entire scenario has been changed. People got more access to information and availability of latest techniques in farming and communication made their work easier and quicker and prompt with desired accurate outputs. But, every coin has two sides, some of the advantages and disadvantages of assisted living and technological services in rural areas are listed below.

### A. Advantages of assisted Living

- People always connected to the world and have an access to global information.

- Latest techniques can be used for farming and communication.
- All the works can be done quickly and easily.
- Rural areas have more credit availability with the computerization of Bank branches in rural areas.
- All the rural areas are connected digitally with urban areas which widened the scope of trading in rural areas.
- The technological development in rural areas enhanced the overall development of rural areas.
- Government releases various funds specifically for rural area development.
- The educational and medical facilities are improving rapidly in rural areas.
- Students in rural areas have got more exposure towards the outside world.
- Schools and other educational institutions in rural areas have got more laboratory facilities and R&D improvements.
- The availability of variety of consumer electronics in rural areas has increased the quality of education and lead to the set up of more educational institutions and universities.
- Many multi-national companies started investing in rural areas.



Figure 1: Rural area development.

### B. Disadvantages of assisted living

- Assisted living made people lazier and blunt minded.
- Smart phones lead to decrease in memory power especially in children.
- Excessive wastage of renewable resources like electricity.
- Technology is rapidly growing in urban areas than in rural areas, this is leading to the migration



- of rural people to urban areas which in turn leading to over population in urban areas.
- Due to increased usage of consumer electronics increased the need for the establishment of more wireless network towers in populous areas which has increased the radiation levels that are emitted from the towers which has an adverse effect on human health.
  - Due to increasing development in rural areas, lot of farm lands has been destroyed for various construction purposes.
  - With the increase in technological sphere, there is a noticeable increase in the competition in the market which has also increased the stress levels in the employees of various organizations and companies.
  - The main disadvantage of assisted living is less physical exercise leading to various diseases like obesity, heart complaints etc.
  - According to Dr. Ashwani Mehta, a senior consultant cardiologist, one person every 33 seconds is dying owing to heart attack in India. The major reason is due to lack of physical strain and lot of mental strain. He also insisted that people in cities are more prone to cardiac arrests than in villages in India and most of the victims are youngsters.
  - According to various health specialists, excessive use of wireless mobile phones will cause hearing problems and brain tumors.
  - Spending more time in front of mobile phones, computers and laptops may cause vision related problems.



Figure 2: Effects of assisted-living.

### III. SUGGESTIONS

There is a need to evaluate above disadvantages (effects) to improve the living conditions of the people. Below are the few suggestions that can be practised to improve the quality of life and to protect our future generations from various diseases.

- Work should be either fully automated or the intensity of the work should be decreased to increase human relationships.
- Usage of smart phones, computers and other consumer devices should be limited only to work purposes.
- All the farm lands and other crop and fertile lands must be preserved for future survival.
- Adults and parents must teach the children about the adverse effects of the excessive use of electronic devices and assisted living.

- Students must conduct various programs regarding the dependency of human life on technology.
- Villages must be made radiation free zones by limiting the construction of wireless network towers.
- A strict rule must be made to limit the wireless towers constructions in the populous areas.
- Nature should be preserved by limiting the technological growth.
- Non renewable resources should be preserved and renewable resources should be utilized for energy generation.
- Radiation free consumer electronic devices to be introduced.
- Usage of energy efficient electronic devices can save energy resources for future generations.
- Age restriction policies on the usage of smart phones and other smart devices should be framed keeping the health of the children in mind.

### IV. CONCLUSION

The technological development should be made keeping the quality of human health in mind. Human beings must be independent of technology and must be aware of the adverse effects of technological dependency. Human beings should live very healthy and happily. So, let us not put our lives in the hands of technology which crushes both our health and happiness if completely depended on it.

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