Abstract---Telemedicine is one of the most vital programs in the present scenario. Technology is advancing day by day with lots of new terminologies and methodologies. Telemedicine brought in to the focus on the development of the health care system. Through electronic mediums, the resources are transmitted to each and every family. Prescribed medicines via consulting telemedicine in the professionalism analysis of discretion can be initially entailed to the management system. So, some of the healthcare system in telemedicine can also be facilitated in manageable areas. It is been recognized as one of its earliest electronic information to disseminate the information of telemedicine. To regulate the process Telemedicine is required to mitigate the issues. This article covers some of the vital propaganda related to the standardization of the telemedicine in India. The supply chain is also one of the biggest models enrolled in this program.

Keywords---Standardization, telemedicine, India.

Introduction

Telemedicine is one of the most vital programs in the present scenario. Technology is advancing day by day with lots of new terminologies and methodologies. Telemedicine brought in to the focus on the development of the health care system. Through electronic mediums, the resources are transmitted to each and every family. The way of interpretation of the modules is done to meet
certain criteria of the health facility. Various kinds of medicine and insulins are needed for the survival of human beings. The whole implication technique is set to standardize in India. There is a huge amount of area in India where there is a lack of health care management. To regulate the process Telemedicine is required to mitigate the issues. This article covers some of the vital propaganda related to the standardization of the telemedicine in India. The supply chain is also one of the biggest models enrolled in this program.

**Overview of using telemedicine in India**

In India, various kinds of initiatives have been taken for the upliftment of telemedicine. The process deals with governmental rule sand regulation scenarios. The overview of the standardization of telemedicine is taken under the consideration of the desired organization. ISRO has also taken lots of responsibilities to mitigate the issues of the unhealthy outbound of the people of India. They have circulated satellite service to spread the telemedicine program to the interior part of India. The national medical college network is also one of the most important modules which have focused on this scenario. Various types of the campaign are also organized by the organization to implicate the telemedicine program. It is basically used in remote areas where the transmission of telemedicine is not possible frequently. Long-distance patients have required this type of program to mitigate their health issues. An overview of the purpose is done to fetch various types of diseases and the cure of the diseases. The rule and regulations are taken under consideration of the HIPPA. Simplification of the issues is taken under consideration if the facts which need to be monitored at the bottom level of treatment. Over the phone and electronic medium, the transmission is done to mitigate the problems.

In India, telemedicine can be utilized as electronic information. While communicating with the technologies it also supports and serve healthcare. The WHO as World Health Organization describes Telemedicine as delivering the healthcare services. In this distance can be analysed as the vital factor. Even where distance forms the obstruction to serve its participants. Distance can be recognized as ‘Tele’ as a Greek word and heal can be identified as ‘mederi’ as a Latin word. ‘Telemedicine’ as ‘healing by some remedy’ can be signified as time magazines. Even though in a constant manner being ‘experimental’ and ‘futuristic’ in an initial way becomes today’s world reality of telemedicine.

The huge amount if the medical team is always ready to serve the outrage of the porches to meet certain global media regarding the manufacture of the medicine. Several kinds of benefits are priced to the patient at the remote places. In many cases, access to the app is not possible for the people of rural belongings, in that case, telemedicine is the only solution to reach out to them. The implementation of the process is fine to resolve the problems of the underprivileged people. Summarization of the fast is taken at the consideration of the medical quotes as well as medicine. There are lots of classification wax is done to meet the issues of the problems of the people of India. The effect of COVID 19 is one of the vital scenarios which taken care of by the government to protect the rural as well as urban people. The consultation technique is done to understand the problem of
the patients to cure them properly. The implication scenario is one of the main causes of these issues.

**Demand for Telemedicine in India**

In India, the rural area is more than the urban areas. The implementation of the medical facility allows better in urban areas. Certainly, the power of rural areas is not adequately receiving or gathering the medicine which they needed for their treatment. The basic outbound of health awareness are taken under the concentration of the health team. Telemedicine is introduced by the government to mitigate the issues. The consultation is done to reach out to the people of the rural areas. The demand for the clementine program is very much essential in India because of the rural areas of people. They need certain effigies the medical team offers certain benefits to solve the issues. The contamination procedure is done to circulate the higher chance of cure. The simplification module is one of the main concepts that is focused on under the program. The requirements of medical equipment are also a very important scenario. The people those who's facing severe problems need to be cured by the medical team those who are providing the medicine program, the impaction procedure is done to meet the main process and mitigate the issues. Encapsulation of the whole thing needs to be focused on the ideology of the program. The certain outcomes of the porches are required by the simplification of the outdated scenarios of the medical team. The government looks after the matter with lots of responsibility. Deans of the program are increasing day by day as the disease is sledding widely throughout the country. The vaccine is also one of the most crucial things which are altered by the higher authority of the organization.

Circulatory measures are taken by the government to meet the impanation layout of the process. The demand is always very high for the sake of the survival of the people. The high rate of injections is required to mitigate the internal as well as external health issues. Execution of the pieces is done to solve the terminologies of the program. The nest way out for the demands of telemedicine is to increase the medical camp and consultation procedure over the phone for the remote areas people.

**Advantage of using telemedicine**

There are lots of advantages to the use of telemedicine. Various types of campaigns are used to modify the social outcome of health issues. In the case of serious damage or illness of any patient, telemedicine can be used as of the most important process. Over the phone, the treatment cam is initiated. The medical can provide the medicines to the patient and can easily access the outcomes of the patient. One of the most valuable scenarios is a rural health issue. The structure of the medical facility can be used to modify the outcome of the social wellbeing. With the advancement, if the health department the advantages are used at the right point if time. The optimization of the rules and regulations is taken under consideration of the fact which can be mitigated to meet the social outbound. The isolation technique can be used to treat the oriole of remote places. Encapsulation if the terms and conditions of the people can be used to handle the critical situation at any point in time. The overutilization few of the
process can harm the whole organization. The impacts of the issues are needed to be maintained at the point where the treatment is required.

The satisfaction of the people can be mitigated by the huge amount of outer resources. The early use of medical equipotent through telecommunication can be dined to fetch the outer problem of the health care plan. Summarization of the fact is required to maintain the other scenario which is the main into if the view in the respective health organization. Thus, this is one of the biggest advantages in the telemedicine program for the rural as well as for the urban people.

**Framework for using telemedicine**

There is some important frame work whicheverimportant in the standardization of the telemedicine:

1. Scalability
2. Compatibility
3. Interoperability
4. Portability
5. Reliability

Scalability is one of the most important scenario in the context of the telemedicine. The huge amount data is needed to circulate at the same point where the mitigation can be taken under the consideration of the facts. The implication technique is done to maintain the facts that the outer resources can be use comminute the telemedicine program. The standardization of the telemedicine can be very useful for the upliftment if the process.

Compatibility is the second carried which is done to meet certain outrages of the program. The violation modules are done to meet the program at the same point if time. Regulation of the laws is done to incorporate the other resources in the same are. The difference between the heath cares depart and the medical pharmacy can be used to mitigate the problems of the ruler s well urban health care. One of the most important issues which is coming in the scenario is the modification scenario. The simplification of the module is done to replicate the outburst of the ill patient in every aspect of the medical trilogies. Thus, the main source s which is required to take the desired palm is compatible in the main point of action.

The third phase is take under the consideration of the fact that the violation procedure is done to meet the issues. Summarization of the facts is required to mitigate certain obligation regarding the issues which can be modified under the implication scenario of the health care organization. Understanding is one the most important scenario in this part where the execution is required to full fill the outbound of the telemedicine program to be processed.

Telemedicine in India has several applications which can be signified in the educational level, public health, researches and administration. In remote and rural areas all over globalized people can be succeeded to save the accessed time, they can be assured of better quality medicinal products. Therefore, telemedicine serve its potentiality to bridging up its distances. By this manner some of the
healthcare system can also be facilitated in some of its remote areas. It is been recognized that one of its earliest telemedicine endeavours. It can be stated as the ‘Space Technology Applicable to Rural Advanced Health Care centre. Government Ministry conducts Family and Health Welfare can be relatively promoting Digital Health and E-Health. It can be utilized as the vital information and Communication Technology certified services. In that direction, the government proposes the fact to reach throughout the reachable places to its citizens. Empowerment of each citizens can signify its disseminated regulation for health care system that compose public healthcare delivery. Some of the initiation and regulations can be suggested to be proposed while:

- Ensuring the services availability on its wider aspect
- Providing health care services in its inaccessible areas by promoting telemedicine
- By addressing the human health care resource gap efficiently while guiding in the reduction of healthcare expense.
- Monitoring and guiding some of the dispersed geographical tasks that can be handled effectively by MIS for serving the meaningful interactions in its accordace.
- Improvement of efficiency while imparting the capacity builder and training.
- Guiding evidence based planner which helps to make decisions.

**Challenges faced by Indian people to avail telemedicine**

World Health Organisation is stated that distance is treated as a main challenge for the delivery of healthcare services. According to Mahajan et al. (2020), lack of proper information and communication technology can increase various problems in telemedicine service in India. In this case, important information is required to maintain the prevention of disease, diagnosis, and treatment. Ignorance and lack of awareness are treated as an effective challenge for telemedicine. Due to a lack of awareness people unable to learn about the importance of telemedicine procedures. Along with this, it is observed that the government able to provide proper regulation towards the telecommunication process, people unable to learn about the telecommunication process due to this problem. Lack of sufficient data and care communities can increase various problems in the telemedicine process. Sometimes people receive medicine from one service provider, however, he chooses another service provider. In a rural area, people unable to improvise their technical skills, where telemedicine is a technical process. People are concerns about security and privacy issues while they access data on the internet (Kustwar and Ray 2020). On the other hand, technology and communication costs very high, which is not affordable for all kinds of patients.

**Interaction through the desired platform**

Hardware platform is treated as an important platform for the telemedicine system, which is used in a personal computer or any workstation. Despite these various mobile systems are used widely such as handled system or system control, mobile system, and configuration. To enable the exchange of diagnostic data, images between telemedicine systems, and transmission it is important to maintain connectivity properly. Pradeepa et al. (2019) stated that communication
hardware is used to maintain this connectivity. With the help of this hardware, the Telemedicine system can access various terrestrial links or satellite/wireless links. Along with this interoperability between applications from different vendors is maintained with the involvement of communication hardware.

Implementation of communication hardware can control data interchanges and exchange standards. High-performing software is implemented to increase the potentiality of a Telemedicine system that can help patients to overcome all kinds of obstacles. The electronic health record process and scheduling system are controlled with the involvement of this telecommunication software. As per Aswath et al. (2020), this telemedicine software is used by a patient to access all facilities of telemedicine. A patient can collect medicine from anywhere with the help of telemedicine software, due to this facility it is observed that telemedicine software is useful for people. Along with this two-way video call, email, wireless tools, and other forms are used to maintain services and various applications of the telemedicine process. Various internet-enabled devices are used widely to maintain a virtual monitoring process, which is useful for the patient. The virtual monitoring process helps health professionals to maintain quick access during any abnormal findings. Telemedicine software helps to conduct video conferences between patients, doctors a physical.

**Need for Telemedicine standards**

Telemedicine interoperability and interconnection faced various kinds of difficulty, advancement of technology and the delivery of healthcare can maintain these difficulties, easily. According to Chellaiyan et al. (2019), the feasibility of the telemedicine system is increased with the help of these processes. Multiple and disparate networks are implemented successfully to maintain the development of Telemedicine standards. These factors can control the operational model of telemedicine standards, as well as standards and guidelines, are maintained with the involvement of imminent need. This Telemedicine standard can facilitate the growth of these services. Telemedicine standards can maintain technical compliance with defined criteria and rigid. Clinical protocols, technical standards, and clinical guidelines are required to conduct Telemedicine services. Preliminary scheduling procedures are provided by clinical protocols towards Telemedicine practices in India. On the other hand, it is also observed that Telemedicine equipment operation procedures actual consultation procedures are controlled by clinical protocols.

Therefore, scheme of e-Health/Telemedicine can serve the augmentation towards the National Programme for serving its strength for Tertiary Care Programmes as an umbrella scheme. It can be composed of variable projects: Some interoperable EHRs can be suggestively beneficial for integration of health information track. EHRs standards can be constructed under Natural Resource Centres. Telemedicine can sponsor networks of National medical college for it. Health Portal can be issued nationally by its Health Centre for Information. National level of digital setting of Health care services can be authorized by Authority of India. Call the Doctor as the National Helpline Services can also be assumed for the same. So, few initial integrity can be interpreted under the regulation of government which can be followed by the government of India by assuming its
role. Therefore, telemedicine can be popularly recognized and signified by its citizen in a significant manner.

Framework in Defining the Guidelines and Standards

A proper framework is required to maintain the performance of Telemedicine services in India. Along with these various key considerations are involved in the maintenance of guidelines standards of Telemedicine services. These key considerations are scalability, portability, reliability, interoperability, and compatibility. Inclusion of all stakeholders, making stakeholders, vendor-neutral, and technology-neutral are ensured with the involvement of this framework of Telemedicine standardization. This framework helps the Telemedicine system to understand various important concepts. In addition, it is observed that Telemedicine infrastructure, data interchange, exchange, and connectivity are maintained with the help of Telemedicine standards (Dinakaran et al. 2020).

In India, guidelines can be assumed for Telemedicine can be stated in the professional judgemental aspects where Registered Medical Practitioner can be significantly important. They do serve the guided principles for the consultation of telemedicine. Therefore, a Registered Medical Practitioner can be analysed to be well positioned from where the technology based sufficiency can be originated as a review aspect. Though, there are such seven major elements which can be considerable before consulting any kind of telemedicine mentioned below:

- Identification of Registered Medical Practitioner and Patient
- Contexts
- Consent
- Mode of Conversation
- Kinds of Consultation
- Evaluating the condition of the patient
- Managing the patient’s atmosphere

The telemedicine standard can control minimum data sets and security properly; this factor can maintain security-related risks and patient information is controlled with ultimate safety. This framework can control storage security, network security, audit trails, and data encryption. Nayak et al. (2016) stated that these factors can control the reliability and flexibility of Telemedicine services. A system, data integrity, robust system operation, and user confidence are ensured properly with the involvement of this framework. Along with this high-performing transmission, formats are related to the performance of the Telemedicine system. Storage and transmission formats can maintain data structures for exchanges. The actual interchange of data is maintained with the help of storage and transmission formats. This framework helps to exchange clinical messages properly among systems.

Governmental Regulations and role

Governmental rules and regulations can maintain the effectiveness of Telemedicine services in India. This rule can control all benefits of Telemedicine services (Goel et al. 2017). Along with this accessibility and affordability of Telemedicine services are controlled with the involvement of governmental
regulation and rule. According to the government, only registered medical practitioner can provide telemedicine related information to patients. The medical safety of the patient is maintained with the help of his process across the world. Governmental rules and regulations help to select the proper mode of communication for telemedicine services. The government should identify registered practitioners, which directly has an impact on the performance of Telemedicine services.

The complexity of patient health conditions is justified properly by the proper guideline for Telemedicine in India. The government can help to maintain health education, counselling, and medication. Along with this, Telemedicine services need to maintain all kinds of medical ethics, data privacy, and confidentiality, which is treated as an important regulator of government. On the other hand, the government is involved in the maintenance of the Telemedicine consultation process. Subramanian (2017) stated that the fee structure of a telemedicine service is created properly by government rule and regulation. Along with this it is important to evaluate patents information properly. The government can implement proper regulation that can maintain Registered Medical Practitioners.

**Conclusion**

Hence, consulting such telemedicine purposes should avoid to be anonymous. Identity should be disclosed between both the Registered Medical Practitioner and Patient. It should be confirmed while stating person’s address, name, contact number, registered or email id or even any kind of different .doc file related to the identity. When the condition via appropriate manageable telemedicine reflection can serve the different clarification to serve the professional analysed judgements. It can be sated as one of its earliest telemedicine endeavours while serving health education to all the citizen. Thus, they follow the practices to serve the counselled session to its clinical representatives by analysing clinical conditions. Medicines which are prescribed one should be aware and concerned about it. While, telemedicine serve its potentiality to bridging up its distances not to be that much significant to reach the telemedicine to each of the doors of its consumers. Prescribed medicines via consulting telemedicine in the professionalism analysis of discretion can be initially entailed to the management system. So, some of the healthcare system in telemedicine can also be facilitated in manageable areas. It is been recognized as one of its earliest electronic information to disseminate the information of telemedicine.

**References**


