

During the 21st century In India Future scope of Internet learning in human life

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Abstract

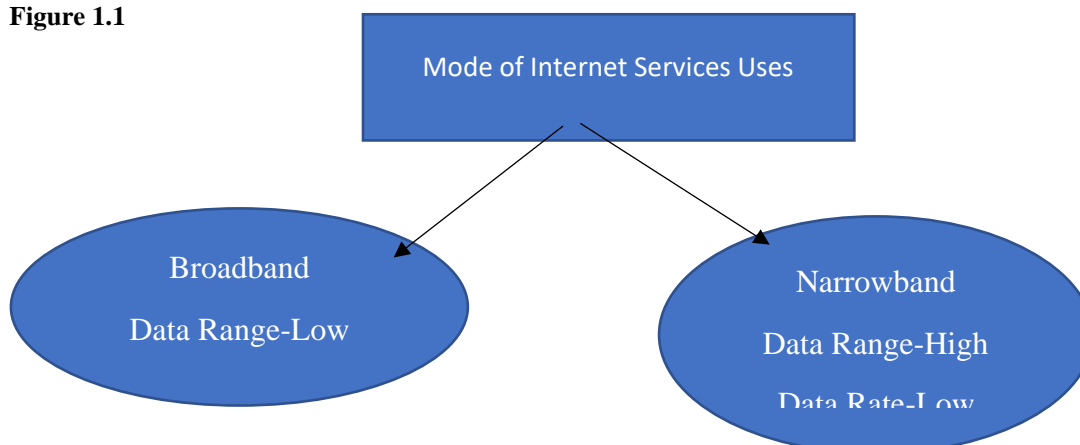
21st century in India's revaluation of digitalization there is a large scope of internet service in India people can live without food but cannot live without the internet. Here government and non-government are equally taking advantage of the internet this research mainly focuses on the future scope of internet learning in human life and the objective of this research identify internet uses in the 21st in Indian countries, the second objective is how to internet service influence Indian to create a new era of life and last one is examining the major role of internet in Indian agriculture sector and how to develop these sectors. Mainly focusing on internet service in India is planning very important role in economic development as well as human growth, now day here people are taking more and more advantage in their professional and personal lives, Indian people are using the internet in every part of life like- Food ordering, cab booking, train and flight tickets booking, grocery product purchase, medical facilities, online medicines delivery and major think people conducting Family ritual like- Marriage, Birthday celebration, family gathering, etc. and same in professional life office meeting, conferences, seminars, through online with help of internet. Government examination and all. This paper showed the advantages of internet services in India and Indian people. This study is based on primary and secondary; the nature of the study is exploratory and qualitative research. Primary data was collected from various levels of personal interviews of respondents and how they use internet service on a daily and regular basis and how internet services provide facilities in daily life in both aspects as professional and personal. And secondary data from reputed journals, books, articles, news, etc. In conclusion, it was found that in India, internet services are playing a very important role in the development and making human life easy, and with the help of internet service every thinks in the human pocket.

Key Words: 21 century, Indian Country, Internet, Service, broadband, narrowband and human life.

Introduction

21st century for the Indian as digitalization era, here every one depends on the internet. The Internet is the heart bit of Indian human life; people leave without food but they do not leave without the Internet. India is a developing country, where digitalization plays a very important role in economic development as well as human growth. Indian people are taking advantage of digitalization. The Internet may help in knowledge development as well as country growth. From Indian perspective 21st Century is grownup era there are various platform available through the internet facilities, without technology growth of the country not possible. Therefore, Indian country taking more benefits through the digitalization. If we are overviewing on the uses of internet in Indian country, at large level, here categorised the cities as a different level.

Figure 1.1



Broadband and narrowband: Both are important aspect of internet uses both modes carried out the different types of roles, Broadband's efficiency in very low compared to narrowband in narrowband carried out the high efficiency. Data rate of narrowband in high compare to broadband. Data rate of broadband is costly compare to narrowband it is not more costly. But both modes taking the data securities. If see power of efficiency narrowband carried high compare to broadband.

Urban and rural areas of India:

In Urban area various cities covered like – metro and non- metro cities, there are mostly service and manufacturing units are available. Mostly scope of this cities job and business. But here human life totally dependent on internet. Even people are using internet from morning to benight because people have different kind of demand in daily life like Food, Travelling, Entertainment, staying, shopping etc. here everything depend on internet.

In India, people are using whole day internet and they fulfil our daily need and create an easier life compare to busy life.

Here I, explaining some crucial Example of internet Facilities:

- Grocery at home without physical movement.
- Car facilities available through internet.
- Medical shopping in Mobile.
- Astrologers' consultancy in Mobile.
- Cooked foods shopping at internet
- Ticket booking facilities.
- Hotel booking.
- Cloth shopping through online.
- Doctor consultancy at mobile.
- Even India Marriage function also conducted through the internet.
- Entertainment according to human choice.
- Banking facilities.
- Education Facilities etc.

So here we can say human life totally covered by internet and technology.

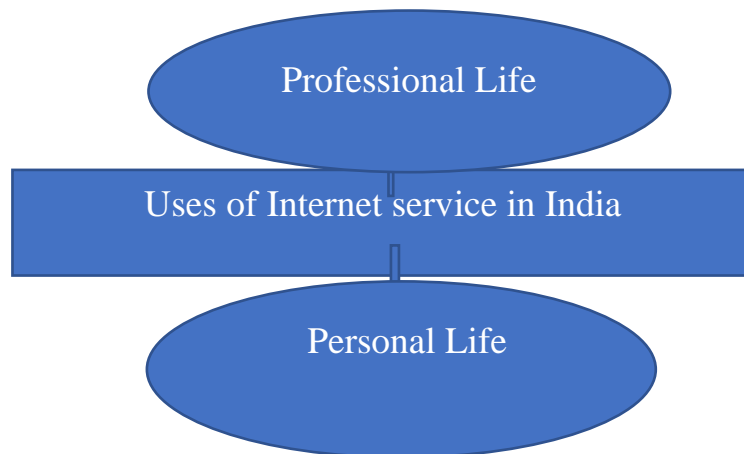
Some in rural area of Indian country, in village area people are not more educated but they use to for internet services and taking advantages of internet in agricultural technologies uses and through the internet they try to get good result in agriculture farming as well as smart forming. There is no good internet connectivity because not proper internet infrastructure before that they are using internet service in daily forming work and personal work. Rural area people are also smart user of internet facilities. If Indian government improve the internet service in rural area, people get more advantage in agriculture and non-agriculture field.

In Rural area some important facilities use by the people:

- Internet Banking.
- Online agriculture farming Facilities.
- Uses of high technology in farming.
- Grahak Sewa facilities.
- Gram Panchayat Sewa facilities.
- Online chatting facilities.
- E-Aavedan.
- Government Schemes for farmers.
- Online agriculture classes.
- New technology uses.

Uses of Internet service in India

Figure 1.2



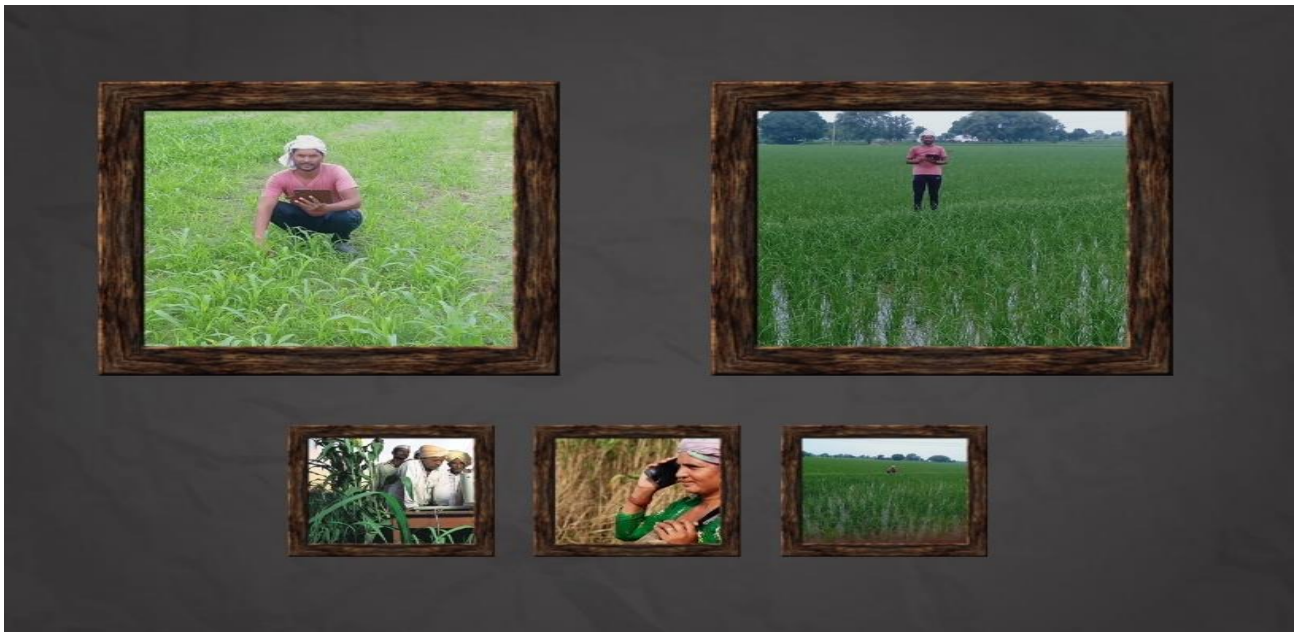
India is a developing country here different way internet subscriptions available for citizens, they are also interested to using these services because it is new trend, people are taking maximum advantages of internet services. In digitalization era people using these services in both life personal and professional life. We can say it is adaptation ear of internet service. Before the digitalization people are also use to with internet services but not like today. Mostly uses in professional work like: email, office work, handily of international clients, research works etc.

Professional uses of internet these days: In digitalization era people working life is totally change, work from home, Boss Birthday Celebration through Online, online Meeting with Boss and well as team, there are many Apps available to create all this function without physical present as the particular time. Online education facilities, parent meeting, virtual conference /seminars. Indian government shared the all information through the social media platform, example: Annual Budget, Public Notice, Job Vacancy etc.

Personal uses of internet these days: In digitalization era not only change the professional life it is also changes the non-professionals life also in India rural and urban both areas taking the benefits of internet service, in rural areas people are more educated but they are using internet service very frequent way in India people taking the advantages as: celebration of birthday party, Ritual event, marriage parties, food cooking and entertainment, kids are also attract for the gaming, watching the videos. And major think rural people taking benefits in agriculture field and animal husbandries.

Some Images of professional and personal uses of Internet Services in Urban and Rural India:



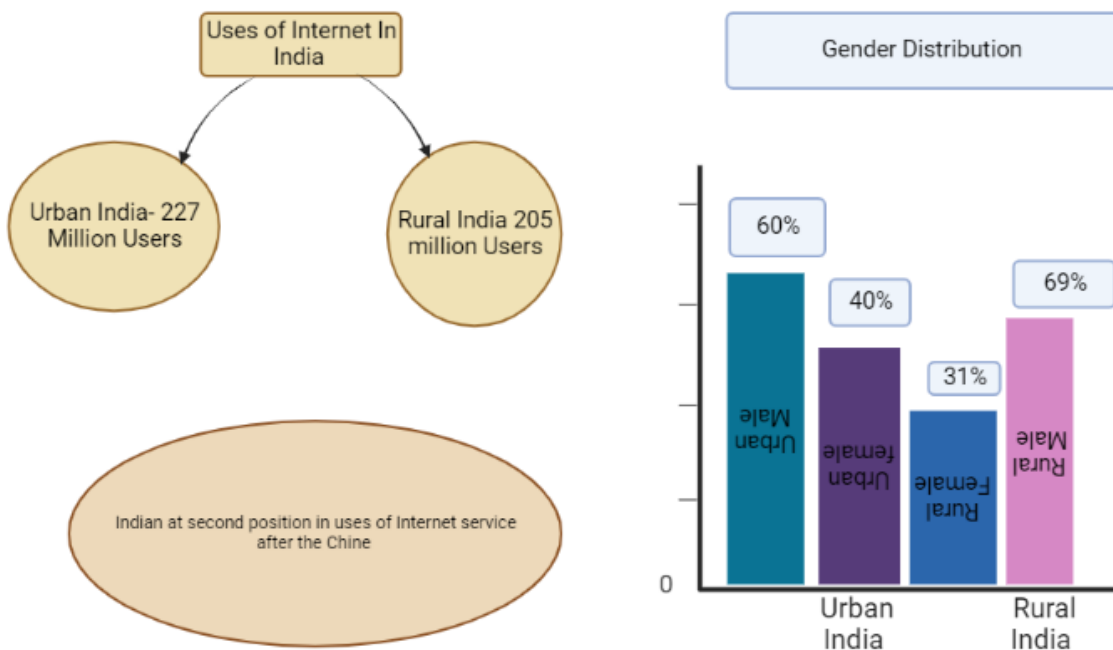


Major factor influences for Internet use:

In the Digital era, all things are dependent on the internet because without internet we cannot use high-tech technology. In India various company offering cheaper rate of internet package. They are using internet daily basis because telecom and internet company offers very cheaper cost of internet service. In India various factors effecting the use of internet service here some mentioning the factors:

- One of the major factors effecting the internet uses,
- secondly people life become easy through internet, they gate easily all the information which are required.
- Third they can save the time consumption.
- Forth convenient for everyone etc.

Figure 1.3



Advantages of Internet in Indian Country:

- A developing nation taking more advantage of internet in infrastructure development, educational growth, creating a more effectiveness of the country.
- Taking advantages in professional as well as personal growth. Current scenario people life is more advance and update through the internet. Even people are using the internet service in multiple way as a remote for fulfilling their need.
- In India people are used to for internet service and its make human life totally update.
- Internet can me also contributing major more in economic development in India.
- Through the internet get all the information, news, government policy, upcoming challenges.
- Showing the more transparency with the help of internet.
- There are various stages to need of internet services to getting maximum benefits in human life.
- Without internet services these days growth is impossible so, it is best way to exploring the own concepts at world level. Before digitalization it was not possible to explore any think at large level within short period. But now we can explore at large level within short time it is best advantages taking by human of the internet services.
- With help of internet many companies getting the large-scale revenue in business, basically they are not manufacture but they create a large platform for the online shopping at world level and connecting to customer on her/his demand. These all facilities only possible through the internet service and now our life is so easy with adoption of internet services. Good Example of internet user and services provider through the internet- Amazon, google, Linked, etc.
- These companies do not have own manufacturing unit but they earn billion profits as a services provider.
- I am not wrong if saying about the internet is heart bit for Indian citizen. Internet is different face in development, here government and non-government both are taking equal advantage. Government sector is very active in internet services users list. Government providing a free of cost internet service at various public place-railway station, bus stand, government offices as well as hospitals.
- Government services examination also conducted by interment, in coming year offline examination may be decline because of this service. There are many reasons government using these service, most important cost reducing, time saving, transparency, etc. and some in non-government sector in India there are various category of internet users like- private Education sector, manufacturing company, transportation company, Human resource planning, event planning, agriculture, MSMEs sector, hotels, restaurants, shopping complex, banking etc.

Objectives of the Study

- Identifying the internet uses in 21st in Indian country,
- Examine how internet service influences India to create a new era of life.
- Examining the major role of the Internet in India's rural and urban areas and how to develop these sectors.

Scope of this study

The scope of this study to identify the scope of internet in digitalization era how to influence for taking the advantages of internet in human life. Currently India major development in the field of technology development as well as infrastructure development and how to internet sporting the Indian economy in development. In other sense internet is very important aspect for developing countries, there many reasons, how to do cost effectiveness, gathering meaning knowledge, taking best competitive advantages, find out the best second alternative. How to taking maximum profit in minimum investment create the more effectiveness in working style and protect the wastage with the help of internet service. In urban and rural India both areas internet services are available, need to identifying to maximum positive advantages of internet and getting the maximum profit in the people life. In agriculture field people taking the advantages of internet service as various point: Crop farming, harvesting, new technology adoption and getting technologies advantage is upcoming new trend of agriculture sector.

Review of literature

India economic times 3rd June 2021 update, according to-IAMAI- (Internet and mobile association of India) kantar ICUBE 2020 report, in year 2020 total number of user near about 622 million, and according to prediction of these organization in year 2025, it will increase 900 million, so in year 2025 active internet operators in our country expectable it will rise by 45%. In rural area of the India also active in internet users, it's increased 13% past year, they are also active in consumption of internet service. In our nation internet users will be increase in both areas urban as well as rural. As per report suggestion to create more digital environment because users will increase day by day as per **executive vice president of Insights Division, Kantar, Mr. Bhattacharya**. As per report of Internet and mobile association of India Maharashtra is highest internet users state, then Goa and Kerala both states recorded as a high internet user. In year 2020 urban internet users 4% increased to 323 million according for 67% of population of urban Indians. Here 9 cities account for 33% top active users in urban areas of our country. According to this report out of 10 users of internet 9 users daily expending 107 minutes with internet per day. In India urban users of internet spend 17 % more time as per day online than active operator in rural area of our country. If we are seeing this report as a gender wise users of internet service in urban India 58% active male users and other hand 43% are women user. User in rural India, male users is higher than to female around 57% male users of internet service and 42% female users of internet. Here reason of maximum users of internet basically cheap and internet service cost is low and various types of plans available, in urban and rural is good source for accessing through the mobile. In India 17 % users using the internet services in personal computer, tablets users are 6%, smart speaker, streaming device and smart television. In Indian 96% users using internet facilities for entertainment, uses in communication 90% and uses for social media plat form around 82%. Regular online shopping through internet 29% and 45% uses in form of digital transaction. These two activities digital transactions and online shopping are far more common in Indian urban areas. Learning, video streaming, and gaming are also key activities.

Telecom Regulatory Authority of India (TRAI) April-June, 2020) Report: According to this report broadband and narrowband internet service increased from a total number of operators 360 to 358 operators in the past quarter internet users increased from 743.19 million at the end of March 2020 comparatively 749.07 million at the last of 2020 June. The growth rate was 0.79% in the quarterly report. The total number of broadband internet users was 698.23 million and other hand narrowband internet users were 50.84 million. Users of wired internet service increased from 22.42 million in the past of March 2020 to 23.6 million on the last day of the month of June 2020, a 2.86% total growth in the quarterly report. Uses of wired internet services increased from 720.78 million at the month end of March 2020 to 726.01 million at the month end of June 2020 total rate of growth was 0.73 in the quarterly report. Broadband users increased from 687.44 million at the month of end March 2020 to 698.23 million at the month end of June 2020, total growth rate of 1.57% in the quarterly report. As per the report of **TRAI April-June, 2020: the use** of outgoing internet telephony was nearly 124.00 million minutes. Per month average wireless data users was 12.15 GB. **Gaur A. (2016):** Under to scheme of making in India, a large number of productions of electronic and hardware items manufacturing done in the states of Andhra and Tamil Nadu and market demand will be fulfilled by India's production, due to digitalization demand of the hardware and electronic products will increase and its can also create the own technology and internet related products. According to this research e-government services are available in rural areas in India, such as the adoption of technology needed for quality service, trust at the privacy level, etc. E-government services have a positive impact on rural citizens of India and they take advantage of these services. **(Quarterly of government information 34, year 2017, 658-679). Sharma R. et al (2014)** As per this research it was noted about the technology adoption here various models also explain for the adoption of

technology. The models also focused on understating of better process of technology adoption. This research also mentions the need to identify innovative aspects in the adoption of technology to help model adoption rapidly change in the future technology. In this research, the Indian Deputy Director General, Department of Telecom, Ministry of Communication govt. of India also share the India case study on the direct benefit of the transfer scheme, rural Indian citizens taking the benefits of this scheme, main focus on the aadhaar card and this card directory connected with the bank account with the help of Indian government schemes of direct benefit transfer, in this case also showed the model of this schemes. In rural areas telecom internet and the Indian government implementing schemes for better service for citizens (APO February 2021).

Agrawal P. et al (2017): This research is based on microfinance institution and how digitization emerges the technology advancement to improvement of efficiency and effectiveness. In further discussion on needs of government role on several part of, role in the economic development. **Srivastava S. 2017:** In India internet subscriptions growing very past, as per his research need to influence the people to using the internet service in rural and remote areas and provide the better quality of internet services at all level. Also providing the literacy on improving the knowledge how to develop infrastructure, in general business location, controlling environment etc. our country be approaching digital because of quicker technology adaptation in India youth. Here digital India at new bourn stage. **As per report of WTO 2019:** Government of India is doing investment in the university of technical in whole part in India. At world level India is become as leader of hight technology sector. Through the participation into international value chain workforce improved them abilities of foreign-Language, also build extra human wealth that permit Indian country to increase into extra market.

Research Methodology

Here, exploratory research used by the research to completed these research work, qualitative approach was used in this particular research. Primary and secondary both data was taken by research to getting the best result in the field of internet uses in human life particular in Indian country. There is main source of data collection was Primary secondary. Primary data was collected through the personal interview of the respondent on particular topic of internet uses in personal and professional life and they respond very positively for internet uses. Secondary was collected by the various sources, reputed journals, articles, conference papers, internet, books, and news. Mostly data was taken by the India government website, on the subscriptions of internet uses, these data is showing the actual consumption of internet service, urban and rural areas of the Indian country. Internet services basically provided by mainly two ways first one is broadband and narrowband, through these way people taking the advantage of internet in rural and urban areas. In this research presents the various types of photographs, which is represent the internet uses in India country graphical representation also prepared by the research.

Table 1.1 Year 2020 Trend of Internet Uses March 2020 to June 2020

| Main Made of Internet services Uses | | | | | | | | | | |
|-------------------------------------|------------------------|--------------|----------------|-------------|----------------|---------------|-----------------------|---------------|------------------------|---------------|
| Segment | Wired users in Million | | Fixed Wireless | | Phone Wireless | | No. of Total Wireless | | Total users In Million | |
| | March 2020 | June 2020 | March 2020 | June 2020 | March 2020 | June 2020 | March 2020 | June 2020 | March 2020 | June 2020 |
| Broadband Services | 19.18 | 19.82 | 0.61 | 0.63 | 667.66 | 677.79 | 668.27 | 678.41 | 687.44 | 698.23 |
| Narrowband Service | 3.24 | 3.24 | 0.01 | 0.008 | 52.51 | 47.59 | 52.51 | 47.60 | 55.75 | 50.84 |
| Total Users | 22.41 | 23.06 | 0.61 | 0.63 | 720.17 | 725.38 | 720.78 | 726.01 | 743.19 | 749.07 |

Sources: https://www.trai.gov.in/sites/default/files/Report_09112020_0.pdf.**Table 1.2 List of urban and rural areas of internet users (In Million).**

| Name of State Telecom Services | Broadband Services | | Narrowband Service | | Total of March (2020) | | Total of June (2020) | |
|-----------------------------------|--------------------|----------------|--------------------|---------------|-----------------------|----------------|----------------------|----------------|
| | Urban | Rural | Urban | Rural | Urban | Rural | Urban | Rural |
| Andhra Pradesh | 31.484 | 24.217 | 1.620 | 1.830 | 33.143 | 25.509 | 33.103 | 26.047 |
| Assam | 5.567 | 7.960 | 0.329 | 0.607 | 5.934 | 8.313 | 5.896 | 8.567 |
| Bihar | 16.761 | 28.634 | 1.149 | 3.045 | 17.862 | 30.533 | 17.910 | 31.679 |
| Delhi | 37.175 | 0.619 | 2.655 | 0.164 | 40.242 | 0.755 | 39.830 | 0.783 |
| Gujarat | 30.434 | 13.088 | 1.099 | 0.869 | 31.645 | 13.671 | 31.533 | 13.957 |
| Haryana | 9.924 | 6.504 | 0.495 | 0.409 | 10.368 | 6.811 | 10.419 | 6.914 |
| Himachal Pradesh | 2.041 | 3.729 | 1.611 | 0.174 | 2.207 | 3.793 | 2.180 | 3.903 |
| Jammu & Kashmir | 4.009 | 3.040 | 0.161 | 0.318 | 4.234 | 3.445 | 4.170 | 3.358 |
| Karnataka | 27.860 | 15.121 | 1.611 | 1.521 | 28.820 | 17.013 | 29.471 | 16.642 |
| Kerala | 15.316 | 10.477 | 0.947 | 0.711 | 15.793 | 10.754 | 16.263 | 11.188 |
| Kolkata | 14.902 | 1.416 | 1.150 | 0.059 | 15.987 | 1.418 | 16.052 | 1.474 |
| Madhya Pradesh | 27.892 | 18.397 | 1.736 | 1.963 | 28.971 | 19.746 | 29.628 | 20.360 |
| Maharashtra | 36.076 | 23.807 | 2.170 | 2.048 | 37.848 | 25.164 | 38.247 | 25.855 |
| Mumbai | 25.936 | 1.660 | 1.810 | 0.064 | 28.768 | 1.533 | 27.746 | 1.724 |
| North East | 3.722 | 3.831 | 0.209 | 0.279 | 3.996 | 3.973 | 3.931 | 4.110 |
| Orissa | 6.591 | 11.633 | 0.356 | 1.121 | 6.915 | 12.365 | 6.947 | 12.754 |
| Punjab | 17.033 | 7.992 | 0.864 | 0.569 | 17.698 | 8.432 | 17.897 | 8.561 |
| Rajasthan | 20.736 | 18.660 | 1.287 | 1.601 | 22.482 | 20.022 | 22.023 | 20.261 |
| Tamil Nadu | 34.959 | 12.383 | 2.287 | 1.414 | 37.819 | 13.819 | 37.245 | 13.797 |
| UP (East) | 24.107 | 26.405 | 1.337 | 3.374 | 25.681 | 28.915 | 25.445 | 29.779 |
| UP (West) | 22.131 | 13..136 | 1.263 | 1.301 | 24.458 | 13.341 | 23.394 | 14.436 |
| West Bengal | 15.780 | 15.087 | 0.868 | 1.856 | 16.353 | 16.647 | 16.648 | 16.942 |
| Grand Total (in Million) | 430.435 | 267.795 | 25.544 | 25.296 | 457.225 | 285.969 | 455.979 | 293.092 |
| | 698.231 | | 50.840 | | 743.194 | | 749.071 | |

Sources: Telecom Regulatory Authority of India, April – June 2020, Website: www.trai.gov.in.

Conclusion

In India internet creating a new image of the country, here uses of internet at the large level. In 21st century India have new face, and it called digital India. We are taking the maximum advantages of the internet service. New India created by innovation in technology and other field with help of internet. Before the digitalization people are getting marriages with face to face or personal contacts but now everyone depended on technology, and they getting advantage in marriage kinds of event and also marriage fixing. So here we can say now our country is digital users. government sector is also active is uses of internet service, they providing the free of cost wi-fi service at various places-Railway station, Bus stand, government offices etc. it's also conducted online examination with support of internet, reason of taking the advantages to create transparency, low-cost investment with high results, creating the new face of our country as digital India. In India many different types of areas, urban, rural. In urban area people are using internet from morning to still bed night, taking the advantages is various platform, online book order, transportation service, medical facilities, purchase of grocery product, meeting, conference, family chatting etc.

Some in rural areas people taking advantaged in agriculture filed, plant forming, harvesting, new crop forming, whether information, recent market demand of the product as well as price of the product. Also taking advantages to taking scientist advice in agriculture farming, government schemes for the formers. They are taking advantages of high-tech technology. Farmers using the internet service as an entertainment, and they try to learn new think to generate the revenues in the farming with utilized recourse, taking the maximum profit with the help of internet. Broadband and narrowband is major platform of internet service provider. In India people is very use to broadband compare to narrowband, according to economic times of India internet uses will be firstly increase by come coming 5 years. Indian people using the internet service mostly in entertainment, communication like- video calling, voice calling, mailing, regularly online shopping, digital transaction, learning and gaming etc.

Limitation of the Study

This study only focused on Indian nation, there are many developing countries in the world. main focused on urban and rural India, no any particular location focused in this research only states wise description available in this research, In India many small cities and towns also taking the advantages of internet but no exact data on particular areas, here different types of farming conducted by the farmers to no any particular forming data of products.

Future Study

Future scope of the study at various point, the researcher will be focused on particular area may it be Urban or Rural because both areas taking different picture in uses of internet service at various parameters: Daily uses in GB, quality basis, speed level, price of the internet subscriptions charges. In rural areas connectivity is poor compare to urban India. List of the internet service providers in rural and urban India. Similarly focus on purpose of internet use in both areas. Role of internet in economy development as developing country. Comparative study on previous data, how internet change the human life etc.

Conflict of Interest

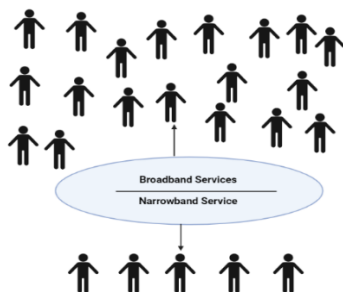
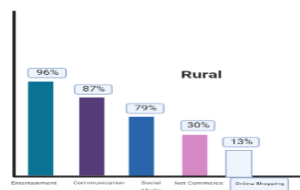
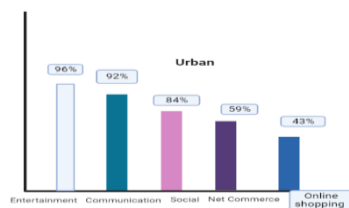
The author declares that there is no conflict of interest regarding the publication of this research paper.

Reference

1. Gaur A. Fourteenth AIMS International Conference on Management December 2016 See discussions, stats, and author profiles for this publication at: <https://www.researchgate.net/publication/316063028>.
2. Agrawal, P. and Sen, S., 2017. Digital Economy and Microfinance. PARIDNYA-The MIBM Research Journal, 5(1), pp.27-35.
3. Kumar, S. and Kumar, V., 2017. Technology Integration for the Success of B2C M-Commerce in India: Opportunities and Challenges. IUP Journal of Information Technology, 13(1).
4. Srivastava S. 2017, Digital India-Major Initiatives and Their Impact: A Critical Analysis, Elk Asia Pacific Journal Of Marketing And Retail Management Issn 2349-2317 (Online); Doi: 10.16962/Eapjmr/Issn. 2349-2317/2015; Volume 8 Issue 3 (2017).
5. <https://economictimes.indiatimes.com>. Last Updated: Jun 03, 2021, 03:45 PM IST.
6. <http://www.trai.gov.in/releasepublication/reports/performance-indicators-reports>.
7. https://www.trai.gov.in/sites/default/files/QPIR_27082021.pdf.

8. Government Information Quarterly 34 (2017) 658–679, Contents lists available at ScienceDirect, journal homepage: www.elsevier.com/locate/govinf. Investigating the role of intermediaries in adoption of public access outlets for delivery of e-Government services in developing countries.
9. A Review of Evolution of Theories and Models of Technology Adoption: Rajesh Sharma and Rajhans Mishra, IMJ, Volume 6 Issue 2 July - December 2014.
10. The Asian productivity organization (apo) February 2021 | Asian productivity organization, digitalization of public service delivery in Asia deputy director general, department of telecom, ministry of communications government of India.
11. www.trai.gov.in.
12. Worldbank.org, 2019. World development report-world bank document available. at<http://documents.worldbank.org/curated/en/841491468326182239/pdf/676200PUB0EPI0067882B09780821389454.pdf>.

Uses of Internet Services in Urban and Rural India



Name of maximum Broadband Services Internet subscribers Urban City (India)

