

INTERNET AND INFORMATION TECHNOLOGY USAGE BEHAVIOUR IN BIMSTEC COUNTRIES FOR THEIR ECONOMIC ADVANCEMENT

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ABSTRACT

World is moving quick thus data innovation through computer and communication, the time has gone out for the jumbling typewriters, nowadays a choice is taken in minutes and it is imparted everywhere throughout the world in seconds. Economic development will lead the

world in 21st Century and Information Technology has the best task to carry out in that, the world is moving quick and we can't keep pace with it without IT improvement. Changing Scenario of Information Technology in Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation (BIMSTEC) nations for reasonable advancement of the distinctive nations for example Bangladesh, India, Myanmar, Sri Lanka, Thailand, Bhutan and Nepal. The advancements in information communication technologies (ICTs) and the Internet specifically have altered the whole fields, creating new market, changing the structure of and dispersion channels and re-designing all procedures. It is felt that a solid activity plan on the best way to limit the innovation hole between the created and creating conditions of the locale has not come up even in this gathering. India has dependably been known as a "harmony cherishing nation". Data and communication innovation (ICT) has turned into an amazing asset for development. India is land where individuals trust in participation and keep up solid association with its neighbour. India has official political relations with most countries and is considered as the world's second most crowded and equitable nation. Its economy is the quickest developing the world over. \

KEYWORDS: Information Technology, Internet, ICT, BIMSTEC, Internet Usage.

INTRODUCTION

India is an advancing industrialized country. It has a past filled with organization with a few nations, is a segment of the BRICS and a noteworthy piece of creating world. India has played a critical and powerful job in other universal associations like East Asia Summit, World Trade Organization, International Monetary Fund (IMF), G8+5 and IBSA Dialog Forum. Locally, India is a piece of SAARC and BIMSTEC (Bangladesh, India, Myanmar, Sri Lanka, Thailand, Bhutan and Nepal).

Innovation Exchange and venture participation in agro-based advancements, nourishment preparing, home grown items, biotechnology, ICT division have been distinguished by the Member States as the few key regions of collaboration.

Amid the eleventh Senior Officials Meeting in 2006, Sri Lanka, the Lead nation proposed to set up a BIMSTEC Technology Transfer Exchange supporting Sri Lanka's proposition the Ninth Ministerial Meeting in 2006 underlined the need to improve collaboration in cutting edge zones of principal logical research and trade of skill in programming and equipment advancement, just as joint R&D in this field. Amid the Second BIMSTEC Summit, which was held in New Delhi, India in November 2008, the Leaders chose to build up a BIMSTEC Technology Transfer Facility in Sri Lanka.

The Leaders amid the Third BIMSTEC Summit in March 2014 consented to improve participation in growing expertise and innovation base of Member States through joint efforts and organizations focused towards miniaturized scale, little and medium-sized endeavours and chose to quicken endeavours for the early conclusion of Memorandum of Association on the Establishment of BIMSTEC Technology Transfer Facility. This viewpoint was additionally accentuated by the Leaders amid the Retreat held at Goa in October 2016.

1. Bhutan

The Internet administration achieved Bhutan exceptionally late; it was presented just on second June 1999. In the year 2000 there were just around 3000 PCs in the whole nation. DrukNet, an IT division under the umbrella of government claimed partnership called Bhutan Telecom Limited was the main Internet Service Provider around then. Individuals of Bhutan were offered just basic dial-up administrations with the most extreme hypothetical speed of 56 Kbps.

As per International Telecommunications Union, before the finish of 2006 there were 20,000 Internet clients in Bhutan, which shapes 3.1% of the nation's populace. The World Bank report 2011 demonstrates that by December 2010, Bhutan's settled Internet clients developed from 0.1 clients per 100 individuals in the year 2000 to 1.0 client for each 100 individuals in 2010. The PC per 100 individuals developed from 0.9 to 2.0 from 2000 to 2010. As far as Internet utilization, the Internet clients per 100 individuals developed from 0.4 clients per 100 individuals in 2000 to 7.2 clients in 2010 (World Bank).

The Internet gives extraordinary scopes of administrations and data. The Internet administrations like visit, messages, long range informal communication, web crawlers, and so forth., are most ordinarily utilized and it gives clients wide scope of benefits. Internet use conduct in the Kingdom of Bhutan in four areas speaking to the whole nation. In Bhutan as indicated by the examination, Female use Internet somewhat more than male, yet once signed on to Internet both male and female invest level with energy utilizing the Internet. More youthful individuals in Bhutan use Internet benefits more than more seasoned individuals. Salary has no critical effect on the utilization of Internet, yet instruction and calling has noteworthy effect on the utilization of Internet administration in Bhutan. Government workers, Corporate and Public representatives are utilizing more Internet then entrepreneur, understudies and individuals with different callings.

Instruction have constructive effect on the utilization of Internet, People with college degree and higher auxiliary tutoring are will in general be utilizing Internet more than individuals who are rent taught. Expressive outcome demonstrated that Information chasing, utilizing web crawlers like Google, and email administrations are the most utilized Internet benefits in Bhutan.

Details of BhutanInternet Users.

Bhutan Internet Users	289,177
Share of Bhutan Population	36.9 % (penetration)
Total Population	784,103
Share of World Internet Users	0 %
Internet Users in the World	3,424,971,237

Year wise Internet Users Penetration in Bhutan (2016*)

Year	Internet Users**	Penetration (% of Pop)	Total Population	Non-Users (Internetless)	1Y User Change	1Y User Change	Population Change
2016*	289,177	36.9 %	784,103	494,926	3.4 %	9,408	1.2 %
2015*	279,769	36.1 %	774,830	495,061	6.4 %	16,836	1.28 %
2014	262,933	34.4 %	765,008	502,075	16.5 %	37,297	1.37 %
2013	225,636	29.9 %	754,637	529,001	26.4 %	47,146	1.47 %
2012	178,491	24 %	743,711	565,220	16.1 %	24,719	1.57 %
2011	153,772	21 %	732,246	578,474	57 %	55,818	1.67 %
2010	97,953	13.6 %	720,246	622,293	93 %	47,202	1.75 %

* Estimate for July 1, 2016

** **Internet User** = individual who can access the Internet at home, via any device type and connection.

Source: *Internet Live Stats* (www.InternetLiveStats.com)

Elaboration of data by *International Telecommunication Union (ITU), World Bank, and United Nations Population Division*.

2. NEPAL

Nepal is likewise agreeable neighbour nation of India. There has been a long convention of free development of individuals over the fringes. Nepal has a region of 147,181 sq. kms and a populace of 29 million. It shares a fringe of more than 1850 kms in the east, south and west with five Indian States – Sikkim, West Bengal, Bihar, Uttar Pradesh and Uttarakhand and in the north with the Tibet Autonomous Region of the People's Republic of China. Relations among India and Nepal are solid however there are a few inconveniences originating from outskirts debate, topography, financial aspects, and the issues in-worked in enormous power-little power relations, and basic ethnic and semantic characters that cover the two nations' fringes.

The ongoing pattern has appeared colossal increment in the portable information utilization here. The telecom administrators are additionally in furious challenge to get a greater piece of the pie for information. According to the study results for the information utilization in cell phone and desires, the results are given underneath:

1. 45 percent feel that the portable information is costly in Nepal.
2. Half of Nepali individuals devour under 1 GB for each month portable information.

Portable information implies the use of web or information utilizing versatile systems like 2G, 3G and 4G. It has nothing to do with home WiFi or other home web implies.

Details of Nepal Internet Users

Nepal Internet Users	4,962,323
• Share of Nepal Population	17.2 % (penetration)
• Total Population	28,850,717
• Share of World Internet Users	0.1 %
• Internet Users in the World	3,424,971,237

Year wise Internet Users Penetration in Nepal (2016*)

Year	Internet Users**	Penetration (% of Pop)	Total Population	Non-Users (Internetless)	1Y User Change	1Y User Change	Population Change
2016*	4,962,323	17.2 %	28,850,717	23,888,394	4.5 %	212,870	1.18 %
2015*	4,749,454	16.7 %	28,513,700	23,764,246	9.2 %	399,276	1.2 %
2014	4,350,177	15.4 %	28,174,724	23,824,547	17.5 %	648,125	1.22 %
2013	3,702,052	13.3 %	27,834,981	24,132,929	20.7 %	635,938	1.22 %
2012	3,066,115	11.1 %	27,500,515	24,434,400	25.3 %	619,984	1.18 %
2011	2,446,131	9 %	27,179,237	24,733,106	14.8 %	314,872	1.13 %
2010	2,131,260	7.9 %	26,875,910	24,744,650	306.8 %	1,607,384	1.07 %

Source: *Internet Live Stats* (www.InternetLiveStats.com)

Elaboration of data by *International Telecommunication Union (ITU)*, *World Bank*, and *United Nations Population Division*.

* estimate for July 1, 2016 ; ** **Internet User** = individual who can access the Internet at home, via any device type and connection.

3. SRI LANKA

Sri Lanka's expanded web network likewise have given a lift to the Sri Lankan's essence in the internet based life, particularly on the Facebook, the most loved neighborhood online home base. Beginning from mid-2016, the Sri Lankans number on Facebook expanded from a 4 million to a 5 million and by chance more ladies between the ages of 18-24 were on Facebook than men. The sexual orientations achieved the equivalent ground in the age gathering of 25 - 34 years and men assumed control henceforth at that point. This conduct of Sri Lankans stands very extraordinary to the worldwide pattern of one billion Facebook individuals, where men were the dominant part in each age gathering.

Amid the time of 2016, we Sri Lankan proceeded to buy in to 1.5 million cell versatile associations and more than 300,000 broadband and dial-up web associations, expanding Sri

Lanka's web infiltration to a 30% and to our absolute web clients to a 6.1 million. Despite Sri Lankan government's ongoing expulsion of media transmission administrations from the 15 percent esteem included duty absolved rundown and the means taken by 2017 spending plan to evacuate charge occasions given to information prompting half powerful tax collection on portable administrations, the Sri Lankan's desire to build their network for instructive, entertainment and word related reasons have stay tough as the years progressed.

Details of Sri Lanka Internet Users

Sri Lanka Internet Users	6,087,164
Share of Sri Lanka Population	29.3 % (penetration)
Total Population	20,810,816
Share of World Internet Users	0.2 %
Internet Users in the World	3,424,971,237

Year wise Internet Users Penetration in Sri Lanka (2016*)

Year	Internet Users**	Penetration (% of Pop)	Total Population	Non-Users (Internetless)	1Y User Change	1Y User Change	Population Change
2016*	6,087,164	29.3 %	20,810,816	14,723,652	4.2 %	247,259	0.46 %
2015*	5,839,905	28.2 %	20,715,010	14,875,105	9.8 %	520,205	0.47 %
2014	5,319,700	25.8 %	20,618,991	15,299,291	18.4 %	825,391	0.47 %
2013	4,494,309	21.9 %	20,521,959	16,027,650	20.4 %	760,090	0.49 %
2012	3,734,219	18.3 %	20,421,862	16,687,643	22.5 %	686,868	0.52 %
2011	3,047,351	15 %	20,315,673	17,268,322	25.7 %	623,194	0.57 %
2010	2,424,157	12 %	20,201,312	17,777,155	37.5 %	661,232	0.61 %

* Estimate for July 1, 2016

** **Internet User** = individual who can access the Internet at home, via any device type and connection. More details.

Source: *Internet Live Stats* (www.InternetLiveStats.com)

Elaboration of data by *International Telecommunication Union (ITU)*, *World Bank*, and *United Nations Population Division*.

Internet Usage Statistics in Sri Lanka – Updated for 2017 Internet connectivity is improving at a steady pace

SI No	Users Details	Usage Statics
1.	6 Million+	Active Internet Users
2.	25 Million+	Mobile Connections
3.	4.5 Millions+	Facebook
4.	0.8 Millions +	LinkedIn
5.	200K+	Instagram (Daily Users)

Consistent with their desire to remain associated, the vast majority of Sri Lankan Facebook fans demonstrated an extraordinary enthusiasm for versatile brands and Dialog and Mobitel were among the best marked pages with the most elevated number of Sri Lankan fans. Kumar Sangakkara still holds the lead as the most loved big name in Sri Lanka with more than one million nearby fans. A more up to date and an ongoing neighbourhood pattern on Facebook was the Facebook people group, which by and large offers a feeling, jokes, and individual supposition. The English and Sinhala renditions of Gossip Lanka News were among the most preferred Facebook people group pages by nearby fans, mirroring our propensity for tattle!

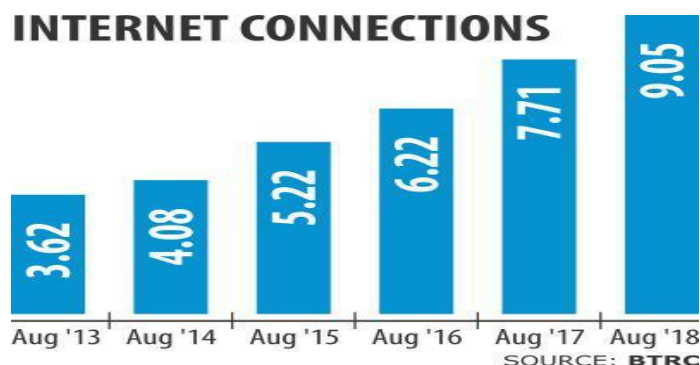
While Instagram, the visual communication stage of Facebook appeared to make progress among Sri Lankan internet based life clients with its numbers taking a noteworthy hop from a 120,000 in October to a 160,000 in December; Twitter still neglects to distinguish the Sri Lankan twitteratias as a power to figure with, for the most part because of their still little numbers.

4. BANGLADESH

The Internet in Bangladesh has seen critical development. In spite of the fact that confronting numerous imperatives in extending Internet access and use, improvement of the Internet and Information Technology are high government needs. In December, 2017 Internet clients in Bangladesh expanded to 80.483 million. On 19 February 2018, Bangladesh began the 5G organize administration.

About portion of Bangladesh's populace as of now utilizes web, as indicated by the Global Digital Report. Since January 2017, the volume of web clients has bounced by 29%, said the report by 'We are Social and Hootsuite'. Before the finish of the most recent year, the complete number of Bangladeshi web clients remained at 81.66 million and of them, 76.22 million were dynamic versatile web clients. The report said that the complete number of cell phone associations remained at 137.2 million before the finish of 2017, which implies that 83% of Bangladesh's populace has versatile associations. The worldwide web clients have now passed the 4 billion imprint, as indicated by the report. "Well over portion of the total populace currently utilizes the web and a fourth of a billion new clients came online out of the blue amid the previous a year. "Quite a bit of this development in web clients has been driven by progressively moderate cell phones and portable information designs," said the report. The number of dynamic web associations in Bangladesh hit 9.05 crore in August. The gratitude to the expansion of around 18 lakh new associations with the system in a month is

aimed. Of them, 8.47 crore are associated with versatile web, 57.33 lakh with settled broadband web while the rest use WiMAX.



The Internet's speed in Bangladesh isn't among the quickest on the planet however it has essentially created in the ongoing past. As of July 2015, Bangladesh positioned 90th out of 198 nations on the Household Download Index by Net Index.

Web availability with worthy quality and unwavering quality is commonly very costly in Bangladesh. Since associating with the SEA-ME-WE 4 link in 2006, the nation has seen Internet data transfer capacity costs drop fundamentally. In 2008, the Bangladesh Telecommunication Regulatory Commission (BTRC) cut discount Internet transfer speed costs radically, from BDT 80,000 (around US\$1,125) per Mbit/s to BDT 18,000 (roughly US\$250) per Mbit/s. In 2009, after grievances that retail costs were still unreasonably high for moderate, questionable associations, the BTRC showed that they were going to start observing ISPs to guarantee that retail costs mirrored the scaled down discount costs.

The administration sees data and communication innovations (ICTs) as a key driver of financial improvement. This is reflected in the legislature's "Advanced Bangladesh" plan just as the National Information and Communication Technology Policy. Bangladesh is gradually climbing in the overall ICT rankings, ascending from 130th in 2009 to 113th in 2012 in the "arranged preparation list". Be that as it may, while its ITC positioning has enhanced, Bangladesh still lingers behind other low-pay nations of its stature. Advancement is restricted because of insufficiencies in the administrative structure and framework improvement. Also, ICT pioneers are worried that the yearly spending plan does not bolster the administration's ICT objectives.

Details of Bangladesh Internet Users

Internet Users in Bangladesh	21,439,070 (2016*)
• Share of Bangladesh Population	13.2 % (penetration)
Total Population	162,910,864
• Share of World Internet Users	0.6 %
• Internet Users in the World	3,424,971,237

Year wise Internet Users Penetration in Bangladesh (2016*)

Year	Internet Users**	Penetration (% of Pop)	Total Population	Non-Users (Internetless)	1Y User Change	1Y User Change	Population Change
2016*	21,439,070	13.2 %	162,910,864	141,471,794	10.4 %	2,018,395	1.19 %
2015*	19,420,674	12.1 %	160,995,642	141,574,968	27.2 %	4,149,233	1.21 %
2014	15,271,441	9.6 %	159,077,513	143,806,072	46.6 %	4,851,906	1.22 %
2013	10,419,535	6.6 %	157,157,394	146,737,859	34.2 %	2,656,666	1.22 %
2012	7,762,869	5 %	155,257,387	147,494,518	12.5 %	859,617	1.21 %
2011	6,903,253	4.5 %	153,405,612	146,502,359	23.1 %	1,293,432	1.18 %
2010	5,609,821	3.7 %	151,616,777	146,006,956	20.7 %	962,740	1.14 %

* Estimate for July 1, 2016

** **Internet User** = individual who can access the Internet at home, via any device type and connection. More details.

Source: *Internet Live Stats* (www.InternetLiveStats.com)

Elaboration of data by *International Telecommunication Union (ITU), World Bank, and United Nations Population Division*.

5. INDIA

With more than 460 million web clients, India is the second biggest online market, positioned just behind China. By 2021, there will be about 635.8 million web clients in India. Regardless of the expansive base of web clients in India, just 26 percent of the Indian populace got to the web in 2015. This is a critical increment in contrast with the earlier years, considering the web infiltration rate in India remained at around 10 percent in 2011. Besides, men overwhelmed web use in India with 71 percent to ladies' 29 percent.

Indians frequently swing to portable web, as the vast greater part of the computerized populace in India was versatile web clients in 2016. Around 323 million individuals in India got to the web through their cell phones in 2016, which relates to about 24.3 percent of the nation's populace. The two figures are estimate to increment in the coming years, with projections to add up to 524.5 million and around 37.4 percent individually in 2021. Portable web use in India shifts as indicated by individuals' living regions. Starting at 2016, India had a gauge of 262 million portable web clients living in urban networks, and 109 million living

in provincial zones. One viewpoint whereby India shares the qualities of other worldwide web clients is its obsession for online networking. In 2021, it is assessed that there will be around 358.2 million informal organization clients in India, a noteworthy increment from 2016, when this figure remained at about 216.5 million. This implies the offer of the Indian populace that get to informal communities is required to bounce from around 16.3 percent in 2016 to a little more than 25 percent. Facebook is the most well known informal communication site in the nation. There were around 195 million Facebook clients in India as 2016, putting India as the nation with the biggest Facebook client base on the planet. Other mainstream systems incorporate WhatsApp, Google+, and Skype. With a gauge of 43.8 percent advanced purchaser infiltration in 2016, web based shopping is likewise a mainstream online movement of Indian web clients. Retail internet business deals in India added up to around 16 billion U.S. dollars that year and are anticipated to outperform 45 billion U.S. dollars in 2021. Portable shopping has picked up space in the nation too. Around 49 percent of Indian shoppers expressed utilizing their mobiles for obtaining merchandise or administrations. This offer is above worldwide normal – which remained at 38 percent starting at 2016 – and the second most noteworthy figure on the planet, just behind China. The month to month information utilization on each cell phone in India is evaluated to develop almost multiple times from 3.9 GB in 2017 to 18 GB by 2023, Swedish telecom gear creator Ericsson said in its versatility report today.

"The complete versatile information traffic every month in India is required to grow multiple times amid the estimate time frame (2017-2023) from 1.3 EB (exabytes) to 14 EB by 2023. The report appraises that the month to month information utilization per cell phone (GB/month) in India will build multiple times from 3.9 GB in 2017 to 18 GB by 2023," Ericsson said. Globally, the versatile information development saw most noteworthy year-on-year development because of flood in information utilization in India."It demonstrates the most noteworthy year-on-year portable information development internationally since 2013, driven by enormous development in India, and features the fundamental requirement for portable information," the report said India bounced to top spot in information use in a time of 1 year after Reliance Jio propelled its 4G (LTE) services."We expect LTE to be the most overwhelming innovation in India by 2023. LTE will represent more than 60 percent of the all out memberships in the nation by 2023 contrasted with the 12 percent LTE memberships in 2017," Ericsson India Managing Director Nitin Bansal. Report appraises that there will be around 800 million VoLTE (voice over 4G) endorsers in India by 2023. At present whole

system of Reliance Jio underpins VoLTE (voice over 4G) calls which are overhauled variant of calls made utilizing web associations. Bharti Airtel too is propelling VoLTE benefits continuously the nation over.

According to the report, there will be 1 billion 5G memberships for improved versatile broadband by 2023. Ericsson Mobility report expects 5G to cover more than 20 percent of the total populace before the finish of 2023 and first business systems dependent on 5G innovation are relied upon to go live in 2019, with real organizations from 2020."Early 5G arrangements are predicted in a few markets, including the US, South Korea, Japan and China," the report said. New Delhi: The ongoing episodes of horde viciousness and lynchings detailed the nation over have put the focus on WhatsApp, the informing stage used to spread gossipy tidbits against the people in question.

In any case, how far reaching is the utilization of WhatsApp in the nation today? Or on the other hand, how far can the messages coursing on WhatsApp be trusted?

Review information gathered over progressive rounds of the Lokniti-CSDS Mood of the Nation (MOTN) study demonstrates that the compass of WhatsApp has expanded quickly over the recent years. While a larger part appears to doubt the data got over WhatsApp, a sizeable area of clients appears to have confidence in what they experience on the informing application.

Lokniti is an exploration program at the Delhi-based Center for the Study of Developing Societies (CSDS). The MOTN review led by Lokniti in mid-2017 had discovered that 14% of respondents utilized WhatsApp once a day. That extent has hopped to 24% in only one year, the latest MOTN study information show. The ascend being used of WhatsApp was driven by more profound entrance of versatile web and the falling expenses of information. The extent of respondents with access to versatile web has hopped 10 rate focuses to 31% over the previous year, the Lokniti information appear. The ascent in web access and WhatsApp infiltration has been higher in urban India than in country India, however rustic India is making up for lost time quick.

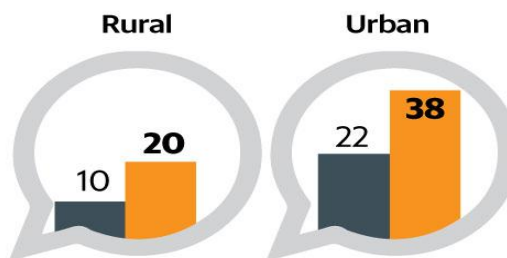
Chart 1

Higher usage in urban India but rising coverage in rural India

Share of active WhatsApp users (% respondents)

■ 2017 ■ 2018

Source: Lokniti-CSDS MOTN surveys



One-fifth, or 20%, of country respondents said they utilized the application day by day as contrasted and 38% of urban respondents. In any case, the development in the offer of dynamic WhatsApp clients has been keener in country India, multiplying in a year's time. While the application is utilized more by the upper salary class, with almost 50% of them utilizing it every day, it is step by step rising above class limits. Indeed, even among the lower white collar class, very nearly one-fourth, or 24%, of respondents were dynamic clients of the application; this figure was just 6% in the 2017 survey. The ascend in use of WhatsApp has made it a key device for discussing specifically with voters. Previously, gatherings and competitors used to do this through SMSes and recorded messages via telephone. For example, in the National Election Study 2014, 20% of respondents said gatherings or hopefuls had reached them through a telephone call or a SMS amid the battle.

Details of India Internet Users

India Internet Users	462,124,989
Share of India Population	34.8 % (penetration)
• Total Population	1,326,801,576
• Share of World Internet Users	13.5 %
• Internet Users in the World	3,424,971,237

Year wise Internet Users Penetration in India (2016*)

Year	Internet Users**	Penetration (% of Pop)	Total Population	Non-Users (Internetless)	1Y User Change	1Y User Change	Population Change
2016*	462,124,989	34.8 %	1,326,801,576	864,676,587	30.5 %	108,010,242	1.2 %
2015*	354,114,747	27 %	1,311,050,527	956,935,780	51.9 %	120,962,270	1.22 %
2014	233,152,478	18 %	1,295,291,543	1,062,139,065	20.7 %	39,948,148	1.23 %
2013	193,204,330	15.1 %	1,279,498,874	1,086,294,544	21.5 %	34,243,984	1.26 %
2012	158,960,346	12.6 %	1,263,589,639	1,104,629,293	26.5 %	33,342,533	1.29 %
2011	125,617,813	10.1 %	1,247,446,011	1,121,828,198	36.1 %	33,293,976	1.34 %
2010	92,323,838	7.5 %	1,230,984,504	1,138,660,666	48.5 %	30,157,710	1.38 %

* estimate for July 1, 2016

** **Internet User** = individual who can access the Internet at home, via any device type and connection. More details.

Source: *Internet Live Stats* (www.InternetLiveStats.com)

Elaboration of data by *International Telecommunication Union (ITU), World Bank, and United Nations Population Division.*

6. MYANMAR

The online populace of Myanmar is developing at a fast pace, with Telenor guaranteeing 13.7m endorsers in an ongoing discharge. 52% of clients are dynamic information clients.

This matches MPT's 14 million supporters, and smaller people Ooredoo's accounted for 5 million endorsers. Myanmar currently has something like 33 million dynamic versatile memberships in a nation with an official populace of 53 million. Cell phone utilization rate is accounted for at 80%. Viber assessments that it has 18 million dynamic clients in the nation – implying that right around 1 out of 2 of all dynamic mobile phones in the nation have Viber introduced on them.

Details of Myanmar Internet Users

Myanmar Internet Users	1,353,649
• Share of Myanmar Population	2.5 % (penetration)
Total Population	54,363,426
Share of World Internet Users	0 %
• Internet Users in the World	3,424,971,237

Year wise Internet Users Penetration in Myanmar (2016*)

Year	Internet Users**	Penetration (% of Pop)	Total Population	Non-Users (Internetless)	1Y User Change	1Y User Change	Population Change
2016*	1,353,649	2.5 %	54,363,426	53,009,777	6.1 %	77,334	0.87 %
2015*	1,276,315	2.4 %	53,897,154	52,620,839	13.7 %	154,135	0.86 %
2014	1,122,180	2.1 %	53,437,159	52,314,979	32.4 %	274,439	0.86 %
2013	847,741	1.6 %	52,983,829	52,136,088	50.9 %	285,995	0.84 %
2012	561,746	1.1 %	52,543,841	51,982,095	10 %	50,917	0.8 %
2011	510,829	1 %	52,125,411	51,614,582	295 %	381,496	0.76 %
2010	129,333	0.3 %	51,733,013	51,603,680	14.4 %	16,319	0.71 %

* estimate for July 1, 2016

** **Internet User** = individual who can access the Internet at home, via any device type and connection. More details.

Source: *Internet Live Stats* (www.InternetLiveStats.com)

Elaboration of data by *International Telecommunication Union (ITU)*, *World Bank*, and *United Nations Population Division*.

7. THAILAND

Data and Communication Technology (ICT) has quickly created. Appropriately, new information and advancement have been made bringing about the constant improvement in the economy and society. So as to help the difference in Information and Communication Technology and media transmission to create and advance the ICT limit of Thailand in the worldwide market, the Information and Communication Technology arrangement (2001 - 2010) of Thailand or IT 2010 was made to be utilized as a structure for leading the first Thailand Information and Communication Technology Master Plan (2002 – 2006) and the second Thailand Information and Communication Technology Master Plan (2009 – 2013). The National Statistical Office under the Ministry of Information and Communication Technology has led the immediate Information and Communication Technology study since 2001 to help and make approaches and plans, just as to screen and assess the improvement of Information and Communication Technology from the first Information and Communication Technology and the second Information and Communication Technology Master Plan. The review demonstrates the openness of ICT in family units, the utilization of ICT of populaces, the utilization of ICT in foundations and web based business and the utilization of ICT in instructive establishment.

Number of Employees using computer, Internet in establishment 2009.

Economic Activity	Number of establishment using computer	Employees using computer		Number of establishment Using Internet	Employees using Internet	
		Number	Average per establishment		Number	Average per establishment
Total	507,447	2,664,335	5.25	339452	1421779	4.19
Business Trade and Services	417,350	1,740,720	4.17	276.192	910,059	3.30
Manufacturing	63,311	632220	9.99	41,952	321542	7.66
Construction	11178	51649	4.62	9,047	36,614	4.05
Other Land Transport and Activities of Travel Agencies	14419	67918	4.17	11082	45863	4.10
Hospital	1,234	171,827	139.24	1,179	107,701	91.35

Source: ICT Business Survey, National Statistical Office

Details of Thailand Internet Users

Thailand Internet Users	29,078,158
• Share of Thailand Population	42.7 % (penetration)
Total Population	68,146,609
Share of World Internet Users:	0.8 %
• Internet Users in the World	3,424,971,237

Year wise Internet Users Penetration in Thailand (2016*)

Year	Internet Users**	Penetration (% of Pop)	Total Population	Non-Users (Internet less)	1Y User Change	1Y User Change	Population Change
2016*	29,078,158	42.7 %	68,146,609	39,068,451	6.2 %	1,708,982	0.28 %
2015*	27,369,176	40.3 %	67,959,359	40,590,183	15.8 %	3,739,581	0.34 %
2014	23,629,594	34.9 %	67,725,979	44,096,385	21.1 %	4,109,153	0.41 %
2013	19,520,442	28.9 %	67,451,422	47,930,980	9.8 %	1,748,813	0.43 %
2012	17,771,629	26.5 %	67,164,130	49,392,501	12.2 %	1,935,748	0.39 %
2011	15,835,880	23.7 %	66,902,958	51,067,078	6 %	896,867	0.32 %
2010	14,939,013	22.4 %	66,692,024	51,753,011	11.7 %	1,562,826	0.22 %

* Estimate for July 1, 2016

** **Internet User** = individual who can access the Internet at home, via any device type and connection. More details.

Source: *Internet Live Stats* (www.InternetLiveStats.com)

Elaboration of data by *International Telecommunication Union (ITU), World Bank, and United Nations Population Division.*

CONCLUSION

Innovation Exchange and undertaking collaboration in agro-based advancements, sustenance preparing, home grown items, biotechnology, ICT part have been distinguished by the Member States as the few key territories of participation. A lot of India's remote approach outreach has been driven by the need to make an interpretation of associations into advantages for key household activities, for example, Make in India, Skill India and Digital India, and concurrences with key nations have mirrored this prerequisite. The need to upgrade participation in cutting edge territories of key logical research and trade of aptitude in programming and equipment improvement, just as joint R&D in this field. Innovation exchange and trade of understanding and information on Geographical Information System (GIS).The Leaders amid the Third BIMSTEC Summit in March 2014 consented to improve participation in extending aptitude and innovation base of Member States through joint efforts and organizations focused towards miniaturized scale, little and medium-sized endeavours and chose to quicken endeavours for the early conclusion of Memorandum of

Association on the Establishment of BIMSTEC Technology Transfer Facility. This angle was additionally stressed by the Leaders amid the Retreat held at Goa in October 2016.

Part States thought of it as important to have a legitimate system to administer the BIMSTEC Technology Transfer Facility. An Expert Group comprised on the Establishment of the BIMSTEC Technology Transfer Facility is likewise thinking about a Memorandum of Association (MoA) drafted by Sri Lanka in such manner.

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