*Journal of Advances and Scholarly Researches in Allied Education*
*Vol. 13, Issue No. 2, July-2017, ISSN 2230-7540*

# Digital Strategies to Enhance School Education: Analysis with Reference to Haryana State

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***Abstract – This is the day and time of technology. This is the period when the world has turned into a littler place and individuals are hoping to make it even littler. Regardless of where you look you can feel the impacts of technology. This is pertinent to the universe of training also. As might be clear from the world around, there has been some noteworthy effect of data technology on education without a doubt. Gone are the days when schools used to think that it's difficult to keep their records, speak with every one of the partners, and do each and everything without confronting distinctive issues by any stretch of the imagination. Things are getting to be less demanding presently even as individuals are getting to be more intelligent and schools mirror that change also.***

***Keywords: Training, ICT, Government Plans***

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## 1. INTRODUCTION

The Information and Communication Technology (ICT) in schools have been subsumed in the Rashtriya Madhyamik Shiksha Abhiyan (RMSA). Presently ICT in Schools is a segment of the RMSA. The Information and Communication Technology (ICT) in Schools was propelled in December, 2004 and reexamined in 2010 to give chances to auxiliary stage understudies to essentially manufacture their ability on ICT aptitudes and influence them to learn through PC helped learning process. The Scheme is a noteworthy impetus to connect the advanced partition among understudies of different financial and other land hindrances. The Scheme offers help to States/UTs to build up PC labs on maintainable premise.

**Components**

The plan has basically four parts:-

The first is the association with State Government and Union Territories Administrations for giving PC supported education to Secondary and Higher Secondary Government and Government helped schools.

The second is the foundation of shrewd schools, which will be technology demonstrators.

The third part is educator related mediations, for example, arrangement for commitment of a select instructor, limit improvement of all instructors in ICT and a plan for national ICT grant as a methods for inspiration.

Fourth one identifies with the advancement of an e-content, for the most part through Central Institute of Education Technologies (CIET), six State Institutes of Education Technologies (SIETs) and 5 Regional Institutes of Education (RIEs), as additionally through re-appropriating.

The features of the changed plan are:-

The non-repeating use for school has been reexamined from Rs. 6.7 lakh to Rs. 6.4 lakh while yearly repeating consumption has been reexamined from 1.34 lakh to Rs. 2.70 lakh. The repetitive expense will be accommodated a time of 5 years from the time of endorse.

The target of the Scheme is to cover all Government and government supported auxiliary and higher optional schools by giving need for early inclusion of schools in instructively in reverse squares and in zones having centralization of SC/ST/minority/weaker segment.

Under the overhauled plan, there is an arrangement of a reasonably qualified full time PC educator in every auxiliary and higher optional school. In the event of higher optional school having PC related subjects as elective, there would be requirement for a post graduate in PCs instructor.

There are arrangements for in-benefit (enlistment and boost) preparing for all educators in optional and higher auxiliary schools to empower them to grant ICT empowered instructing.

150 savvy schools would be sent up by State Government and UTs at the area level utilizing a give of Rs. 25 lakh for a schools and a common allow of Rs. 2.5 lakh every year. This would empower arrangement of somewhere around 40 PCs in each such school.

There is an arrangement to fortify SIETs to add to e-content advancement.

Administration, observing and assessment will be reinforced.

Combination with the current program would be fundamental particularly in instructor preparing and guaranteeing dependable power supply and web availability.

The plan incorporates National Award for instructors utilizing ICT in schools in the showing learning process.

The sharing example will be 75.25 between the Center and the State with the exception of the north eastern States including Sikkim where the proportion would on 90.10.

## 2. REVIEW OF LITERATURES

One of the principal noteworthy research thinks about done in ICT in education in India was the Computer Literacy and Studies in Schools (CLASS) venture led by the Ministry of Human asset Development (MHRD) and the National Council of Education Research and Training (NCERT) in early the mid-1990s, It was later modified by MHRD in 2002. From that point there have been some examination reviews on the accessibility and use of ICT. These have been rare. One huge investigation in such manner was by Bharadwaj (2004).

The examination was structured utilizing an ethnographic point of view (Green S., Harvey P, and Knox H. 2005). An ethnographic point of view, instead of a total ethnography, does not center around understanding a whole culture yet rather can be utilized to investigate the activities of individuals from a gathering analyzing "bits of life". This methodology is appropriate to rehearse situated speculations of social movement (1984) with a worry for understanding society as established in and through the ordinary practices of individuals from a social gathering (Green, Dixon, and Zaharlick, in press). As indicated by Windschitl and Sahl (2002), the ethnographic way to deal with researching socio-social practices is helpful in uncovering standards of training that are developed by individuals as they fit into jobs and connections, set up standards and desires, and arrange rights and commitments that establish participation in the neighborhood gathering.

As a few examinations bring up, [Kingdon (1996), De Haan, J. 2004, Tooley and Dixon (2003), , there is motivation to trust that private expense charging schools progressively oblige a generous portion of the elementary school going populace in India. Kingdon (2007) demonstrates that the enlistment in tuition based schools is developing quickly.

The development of private tutoring and its utilization by the poor proposes, in any event to some degree, that guardians see its quality to be superior to that of state funded education. The development of private tutoring additionally proposes developing imbalance as far as access to quality training.' (Kingdon, 2007: 186)

Additional proof originates from the ASER review (Pratham, 2011) which demonstrates that tuition based school enrolment for country kids in the age gather 6 to 14 has expanded from 21.8 percent in 2009 to 24.3 percent in 2010. This number has risen consistently since 2005 when it was 16.3 percent broadly. (Pratham, 2011: 51). One of the key explanations behind the ongoing increment in enrolment in non-public schools is the prominent recognition that the nature of training is better in tuition based schools. These high enrolment rates in non-public schools additionally somewhat clarify why, in spite of falling or for all intents and purposes static per-capita government funded education consumption in a few Indian states and falling offer of essential training use in state local item (Dreze and Sen, 2002). In this manner, non-public schools have come to possess an essential place in the training situation in the nation.

There are different schools of felt that talk about the job of technology and society. One of most punctual among them is innovative determinism. The innovative determinists like Toffler (1980), Castells (1996) and Tapscott (1998) contend that adjustments in technology are the most vital single factor that clarify changes in the public arena, and prevents the significance from securing the chronicled and social comprehension and investigation of society.

Mechanical determinism is a school of believed that contends that innovative changes today are driving the real changes in the public eye. Technology is progressively driving the manner in which individuals live, work, learn and work. There has been no deficiency of statements of another age introduced by the boundless utilization of intense new ICTs, an age which has seen significant changes in the public activity. Essayists like Toffler (1980), Castells (1996) and Tapscott (1998) have all guaranteed this new age has just arrived.

Mechanical determinism alludes to accounts in which "another" technology is attempted to affect society, supplanting what has gone previously and delivering an anticipated arrangement of impacts that are ventured to be pretty much the 15 same all over the place (Bingham, Holloway, and Valentine, 2001). Innovatively determinist accounts more often than not draw on representations of unavoidable change in which individuals are regarded to be under risk from techno-"stuns" or "waves" (Bingham, 1996; Thrift, 1996). They additionally disregard the manner in which that the effect of any technology changes as per specificities of time and place; who is utilizing it and their expectations, and alternate motivation to which technology may wind up joined (Bingham, Holloway and Valentine, 2001). This is the thing that Bryson and de Castell (1994) term an "artifactual" see, in which technology is separated from the setting of social practice.

Bromley (1997) clarifies that in such records, "Technology is exhibited as a self-sufficient juggernaut, with each new improvement an inescapable aftereffect of what has preceded, paying little heed to what the general population planning, advancing, buying or utilizing the technology may have as a primary concern." (Bromley, 1997: 54).

## 3. ICT IN SCHOOL EDUCATION

In the education area ICT can give a viable and empowering answer for enhancing the nature of training. The approaches of profoundly responsive systems of data and learning and quick improvement of new programming, equipment and different channels of correspondence have displayed genuine chances to imaginatively explain insufficiencies inside the instructive framework. The education and preparing section has seen an ascent in the quantity of private players offering training technology, preparing and benefits. The market is available to rivalry with development of national and provincial e-learning organizations offering bunch technology arrangements and preparing administrations as a bundle to instructive establishments the nation over.

There is absence of mastery in the legislature and instructive establishments to actualize the ICT ventures, today associations are the new method of value training conveyance utilizing ICT in India with privately owned businesses, NGOs, International associations and organizations. Execution of such extensive scale equipment arrangement and availability is conceivable through systems administration with significant organizations and offices for skill, and up scaling qualities.

Sarva Shiksha Abhiyaan: The Center presented IT in schools as a device to accomplish the mission of Education for All under the Sarva Shiksha Abhiyaan (SSA). The state government training offices and instructive establishments have embraced the offering procedure for obtainment of equipment, programming and other IT peripherals, for example, EDUSAT for executing ICT undertakings and projects under the Build-Own-Operate (BOO) and Build-Own-Operate and Transfer (BOOT) models as an open private organization adventure. The procedure of ICT establishment in schools started with the CLASS venture under SSA for rudimentary education and at present the greater part of the ICT framework in schools is through SSA reserves. Tenders under SSA welcome organizations to offer for IT equipment and programming establishment for PC helped learning alongside consumerables such furniture and stationary, educator preparing and a teacher. The support and upkeep is incorporated to be attempted by the chosen bidder for 3-5 years. The program normally included setting of PC labs in schools and granting fundamental PC tasks to understudies. A few schools introduced EDUSAT for instructive projects.

## 4. TECHNOLOGY IS IMPORTANT IN EDUCATION

Technology influences the entire arrangement of training and its significance in the framework are as depicted underneath:

- First and principal, technology incredibly builds the extent of education. The right utilization of technology will assist the understudies with preparing for their future vocation. The entrance to technology has turned out to be simple and advantageous in the on-going occasions and consequently its significance has additionally significantly expanded. With the approach of remote technology, it has even turned out to be more rearranged.

- The mix of technology in the training framework will be the best method for giving education. Above all, technology is an incredible method to accomplish decent variety in the styles of learning and this assorted variety will be of huge advantage for the understudies in their future life and vocation.

- Technology gives a viable method for cooperation. The understudies can cooperate with their cohorts more by empowering joint effort which is extremely useful for successful learning.

- Technology causes the understudies to set themselves up for this present reality after the training is finished. As we are at present living in a mechanical world and the country is ending up more and more subject to technology it is critical that technology is instilled among the understudies so they don't confront any sort of issue in their future

life. The understudies are getting to be educated from their school life itself so they would not need to confront any challenges in their future vocation and life. Technology has the capacity of making the understudies effective in their future and thus its significance.

- Implementation of technology in the education framework causes the understudies to center and get ready for marriage. The understudies of today just love technology and henceforth they will be keen on learning if the thing what they cherish is incorporated into their arrangement of learning. Technology will essentially draw in the understudies towards learning if technology is a piece of the education.

- The classroom has turned into a more joyful place with technology. The understudies get to a great degree amped up for having the capacity to utilize the technology themselves which expands their enthusiasm towards learning. With steady and proceeding with advances in the realm of technology, the understudies can get enhanced access to the different instructive chances.

- Technology has been enhancing a regular schedule and with the approach of versatile technology which is promptly accessible, the understudies can get the most recent data at a solitary snap. The entrance to data has turned out to be greatly speedy and helpful in the meantime which is substantially simpler as that ever previously.

- The customary and latent arrangement of education and learning has just begun losing its hold from the training framework. This is essentially because of the appearance of technology in the arrangement of education and with its assistance, the learning turns out to be significantly less demanding. It likewise gives a great deal of support to the understudies which thus make the undertaking of the educator less demanding. It turns out to be simple for the educator to prompt and mentor the understudies.

- One of the prime significance of technology in the arrangement of education is that the understudies turned out to be more capable and they can take a firm power over their very own realizing which ends up being to be of extraordinary advantage for the future profession of the understudies.

- Another extraordinary significance of technology in education is that the understudies can approach the digital books that are continually being refreshed and more clear when all is said in done. The advanced books are more inventive as well as, they are less exorbitant that the physical books which are old and substantial. The understudies appear to more intrigued by perusing the books that are computerized rather than the printed version of the books. Additionally, the simple and advantageous access to the web causes the understudies to accumulate brisk and revise data which is of incredible advantage to the understudies.

## 5. DIGITAL STRATEGIES TO ENHANCE SCHOOL EDUCATION

The plan right now covers both Government and Government helped Secondary and Higher Secondary Schools. Monetary help is given to obtainment of PCs and peripherals, instructive programming, preparing of educators, advancement of e-substance, Internet network and set up of shrewd schools. Up until now, 87033 government and government helped auxiliary and higher optional schools have been endorsed for inclusion under ICT in Schools Scheme.

### Financial Assistance and Cost Norms

Monetary help is given to States, CIET and SIETs based on the endorsements concurred by Project Approval Board (PAB) led by Secretary (School Education and Literacy). The undertaking cost is shared among Center and States in proportion of 75:25 aside from the NER states including Sikkim where it is 90:10.

### Smart School

Under the current Information Communication Technology in School Scheme as against the objective of setting up of 150 all the more such schools, this Ministry has affirmed for inclusion of 63 Smart School up until now. The Smart Schools are being set up in the Districts by change of one of the current State Government schools to fill in as a good example and Technology Demonstrator among the area schools.

### National Award for Teachers Using ICT for Technology In Education

Under the ICT in Schools, to advance PC empowered learning and use of ICT in instructing in Government and Government supported Secondary and Higher Secondary Schools has arrangement for organizing the National Award for inventive utilization of ICT to propel the Teachers and Teacher Educators for creative utilization of ICT in educating learning.

The National Award for Teachers utilizing ICT for advancement in training for the year 2010, 2011, 2012 and 2013 was offered away to the 9 awardees

alongside the National Teacher Award on Teachers Day.

## CONCLUSION

The plan at present covers both Government and Government supported Secondary and Higher Secondary Schools. Monetary help is given to acquisition of PCs and peripherals, instructive programming, preparing of educators, advancement of e-substance, Internet availability and set up of brilliant schools. Along these lines, government and government supported auxiliary and higher optional schools have been affirmed for inclusion under ICT in Schools Scheme.

## REFERENCES

1. Bharadwaj, V. (2004). ICT Usage in 1000 Schools of India. http://vivekbharadwaj.in/ICT%20PILOT%20PROJECT.pdf. accessed on 28.01.2007.

2. Green S., Harvey P., and Knox H. (2005). "Scales of place and networks: an ethnography of the imperative to connect through information and communication technologies" Current Anthropology 46, 5: pp. 805–826.

3. Green, J. L., Dixon, C. N., and Zaharlick, A. (2003). "Ethnography as a logic of inquiry." in J. Flood, D. Lapp, J. R. Squire and J. M. Jensen (Eds.). Handbook of research on teaching the English language arts. (eds.). Mahwah, NJ: Lawren.

4. Kingdon, G. G. (2007). "The progress of school education in India." Oxford Review of Economic Policy 23, 2: pp. 168–195.

5. De Haan, J. (2004). "A multifaceted dynamic model of the digital divide." IT & Society. 1, 7: pp. 66–88.

6. Tooley, J. (2001). The Global Education Industry: Lessons from Private Education in Developing Countries. Philadelphia: Coronet Books.

7. Kingdon, G. G. (2007). "The progress of school education in India." Oxford Review of Economic Policy 23, 2: pp. 168–195.

8. Pratham (2011). Annual Status of Education Report (ASER). http://images2.asercentre.org/aserreports/ASER_2011/aser_2011_report_8.2.12. pdf accessed on 30. 10. 12.

9. Dreze J., and A. De. (1999). Public Report on Basic Education in India New Delhi: Oxford University Press.

10. Toffler A. (1980). The Third Wave. London: Pan Books.

11. Castells, M. (1996). The rise of the network society. Oxford: Blackwell.

12. Tapscott, D. (1998). Valentine G., Holloway S. L, and Bingham N. 2002. "The digital generation? Children, ICT, and the everyday nature of social exclusion." Antipode 34, 2: pp. 296- 16. New York: McGraw Hill.

13. Valentine G., Holloway S. L, and Bingham N. (2002). "The digital generation? Children, ICT, and the everyday nature of social exclusion." Antipode 34, 2: pp. 296-316.

14. Bingham, N. (1996). "Objections: From technological determinism towards geographies of relations" Environment & Planning: Society and Space 14, 6: pp. 635-657.

15. Bromley H. (1997). "The social chicken and the technological egg: education, computing and the technology/society divide" Educational Theory 47, 1: pp. 51-65.

16. https://fedena.com/blog/2015/10/the-role-of-information-technology-in-education.html

17. http://importanceofstuff.com/technology-in-education

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