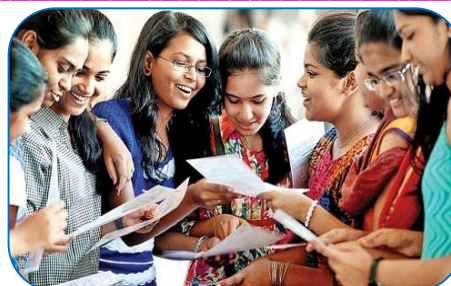




## A STUDY THE EFFECTIVENESS OF ICT IN EDUCATION OF NAGPUR DIVISION: A CASE ON IMPACT OF NEW METHODOLOGY ON UG AND PG STUDENT'S EMPOWERMENT



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### ABSTRACT :

Present research paper on "A study the effectiveness of ICT in education of Nagpur Division" is intended to investigate the impact of new methodology on UG and PG student's empowerment. ICT have greatly influenced every dimension of personal and public life. The concept of language laboratory recently evolved in arts faculty. Medical and engineering students also make great use of ICT.

**KEYWORDS :** Maharashtra State Electricity Board (MSEB). , Organization , Organization.

### INTRODUCTION

Increasing population created extra pressure on education system that dramatically changes the student teacher ratio. Horizon of education changes from local to global and at least theoretically it become knowledge center the concept of residential student is almost it became outdated. The education is stream into verity of branches, which off course provided to opportunity student based on their liking capacity and hidden talent. The world economy has change due to globalization in the last decades of 20<sup>th</sup> century. Information and Communication technology became the locus of development in all sectors in general and educational sector in particular. Modern Technology has changed the face of educational system and expectations of student and parents. Different education institute having visionary approach initiated their efforts to incorporate changes due to Modern Technology in education system. Modern Technology incorporation is associated with direct and indirect cost also but the studies on cost benefits analysis so far done are very limited. This may be because cost is tangible but benefits are not. Thus it is difficult to make an account of cost benefits. Present study is intended to prepare an account of tangible costs (ICT tool) and intangible benefits (Empowerment of student)

In the traditional education system marks or grades of the students is one of the well-established criteria off course some efforts are definitely taken to capture intelligence and develop personality. ICT tool are used to promote the intelligence and accelerate personality moreover ICT tool are scientific and research based. But in the Globus diversification is observed on different direction. Out of which regional variation, socio economic variation language barriers variation in literacy of parent instructional variation, variation in opportunity affects empowerment of students looking into this an attempt is made to carry out the proposed research is carried out in a restricted geographical are namely Nagpur division of Maharashtra.

Higher education aims to develop the intellectual, social, and moral qualities essential for democratic citizenship, and to prepare young people for entry into the world of work or for continuation of academic pursuits.

The development of modern technologies in Colleges is progressing unevenly across and within Colleges and technologies. Some seem to be content with achieving the government's targets in terms of numbers of computers and connectivity, while others are being highly innovative, attempting to capitalize on the benefits that ICT has been shown to bring. As Colleges grow in e-confidence, ICT becomes embedded in the everyday practices of the College, drawing on a range of technologies to support learning, teaching and attainment and engagement. The literature is very positive about some aspects of ICT use, rarely negative, but mainly incomplete or inconsistent. Further studies, particularly with a longitudinal element, should shed light on the processes that Colleges go through in becoming e-confident and e-capable, the impact on relationships within the college, between home and college and across networks, and on pedagogical practice. Using ICT effectively in Colleges is about more than changing resources; it is about changing practices and culture.

So the present research suggest, subject wise proper Modern Teaching Learning Aids. It helps to teachers to use of proper teaching aids to the concern subject. It also helps Government to make or change the policy about providing the Modern Teaching Learning Aids. The suggestion helps to the Colleges and parents to make available appropriate facility and teaching aids at College and home.

### Agreement for UG & PG Students Empowerment Parameters of ICT

Table no 1. Study CD's

Sr. No	Parameters of empowerment	Strongly disagree		Disagree		Neither agree nor disagree		Agree		Strongly Agree	
		Freq.	%	Freq.	%	Freq	%	Freq.	%	Freq	%
1.	Increase curiosity	0	0.00	105	26.25	83	20.75	105	26.25	107	26.75
2.	Increase creativity	0	0.00	85	21.25	15	3.75	112	28.00	188	47.00
3.	Increase knowledge	0	0.00	25	6.25	1	0.25	200	50.00	174	43.5
4.	Increase memorizing effect	5	1.25	19	4.75	56	14.00	208	52.00	112	28.00
5.	Increase confidence level	0	0.00	23	5.75	47	11.75	225	56.25	105	26.25
6.	Increase reading habits	0	0.00	24	6.00	146	36.5	128	32.00	102	25.5
7.	Increase overall performance	0	0.00	10	2.5	1	0.25	189	47.25	200	50.00

Majority (50.00 %) of respondents are strongly agreed that Study CD's increases overall performance. 47.00% of total respondents strongly agree that Study CD's increases creativity. 43.5 % strongly agree that Study CD's increases knowledge, whereas 56.25%, 52.00 of respondent agree that Study CD's increases confidence level and memorizing effect respectively. 50.00% and 47.25 % of respondents agreed that Study CD's helps in increasing knowledge and overall performance respectively.

**Table no 2. Cassettes**

Sr. No.	Parameters of empowerment	Strongly disagree		Disagree		Neither agree nor disagree		Agree		Strongly Agree	
		Freq.	%	Freq.	%	Freq.	%	Freq.	%	Freq.	%
1.	Increase curiosity	0	0.00	105	26.25	83	20.75	105	26.25	107	26.75
2.	Increase creativity	0	0.00	85	21.25	15	3.75	112	28.00	188	47.00
3.	Increase knowledge	5	1.25	20	5.00	1	0.25	200	50.00	174	43.50
4.	Increase memorizing effect	0	0.00	24	6.00	56	14.00	208	52.00	112	28.00
5.	Increase confidence level	0	0.00	23	5.75	47	11.75	225	56.25	105	26.25
6.	Increase reading habits	0	0.00	24	6.00	146	36.50	128	32.00	102	25.50
7.	Increase overall performance	0	0.00	10	2.50	1	0.25	189	47.25	200	50.00

Majority (50.00 %) of respondents are strongly agreed that Cassettes increases overall performance. 47.00% of total respondents strongly agree that Cassettes increases creativity. 43.5 % strongly agree that Cassettes increases knowledge, whereas 56.25%, 52.00 of respondent agree that Cassettes increases confidence level and memorizing effect respectively. 50.00% and 47.25 % of respondents agreed that Cassettes helps in increasing knowledge and overall performance respectively.

**Table no. 3 Internet**

Sr. No.	Parameters of empowerment	Strongly disagree		Disagree		Neither agree nor disagree		Agree		Strongly Agree	
		Freq.	%	Freq.	%	Freq.	%	Freq.	%	Freq.	%
1.	Increase curiosity	0	0.00	105	26.25	83	20.75	105	26.25	107	26.75
2.	Increase creativity	0	0.00	85	21.25	15	3.75	112	28.00	188	47.00
3.	Increase knowledge	5	1.25	20	5.00	1	0.25	200	50.00	174	43.50
4.	Increase memorizing effect	0	0.00	24	6.00	56	14.00	208	52.00	112	28.00
5.	Increase confidence level	0	0.00	23	5.75	47	11.75	225	56.25	105	26.25
6.	Increase reading habits	0	0.00	24	6.00	146	36.50	128	32.00	102	25.50
7.	Increase overall performance	0	0.00	10	2.50	1	0.25	189	47.25	200	50.00

Majority (50.00 %) of respondents are strongly agreed that Internet increases overall performance. 47.00% of total respondents strongly agree that Internet increases creativity. 43.5 % strongly agree that Internet increases knowledge, whereas 56.25%, 52.00 of respondent agree that Internet increases confidence level and memorizing effect respectively. 50.00% and 47.25 % of respondents agreed that Internet helps in increasing knowledge and overall performance respectively.

**CONCLUSION:-**

- Only 50.00% and 47.25 % of respondents agreed that Study CD's helps in increasing knowledge and overall performance respectively.
- 50.00% and 47.25 % of respondents agreed that Cassettes helps in increasing knowledge and overall performance respectively.
- Only 50.00% and 47.25 % of respondents agreed that Internet helps in increasing knowledge and overall performance respectively.
- Only 26.25%, 21.25% of respondents disagree for that Internet increase curiosity and creativity.

**REFERENCE:-**

- Teaching aids in classrooms – both the traditional and the modern. Article by Sukhdev Singh, 04-Nov-2011 <http://www.indiastudychannel.com/resources/146408-Teaching-aids-in-classrooms-both-the-traditional-and-the-modern.aspx>
- Modern Teaching Aids - An Innovative Teaching Method Article by Deepak Yadav, 04-Nov-2011 <http://ie.articlealley.com/modern-teaching-aids-in-education-1302512.html>
- Informational technologies in creating modern teaching aids DANIMIR MANDIC DANICA DZINOVIC BORISLAV SAMARDZIC ISBN: 978-1-61804-104-3
- The use of Modern Teaching Methods in Education Article by Shathyan 12-Nov-2011 <http://www.indiastudychannel.com/resources/146603-The-use-Modern-Teaching-Methods-Education.aspx>
- Optimize the use of modern teaching aids to get the best. Article by Rajesh Chandra Pandey 12-Nov-2011 <http://www.indiastudychannel.com/resources/146649-Optimize-the-use-of-modern-teaching-aids-to-get-the-best.aspx>
- The Effects of Computer-Assisted Instruction on Middle School Mathematics Achievement: John Edward ash[2004]
- Research Methodology Methods and Techniques: C.R.Kothari.
- Jose M. Barlis Jr. and Josefin D. Fajardo III (2013): Effectiveness of Simulation and Computer Assisted Instruction (CAI) on the Performance of Students under Regimental Training on Selected Topics in Physics II. International Journal of Applied Physics and Mathematics, Vol. 3, No. 1, January 2013.
- MudasiruOlalere Yusuf &AdedejiOlufemiAfolabi, 2010: Effects of Computer Assisted Instruction (CAI) on Secondary School Students Performance in Biology, TOJET: The Turkish Online Journal of Educational Technology – January 2010, volume 9 Issue 1.
- The Development and Evaluation of an Adaptable Computer Aided Instruction (CAI) Program for Acquiring Problem Solving Skills in Biochemistry on the WWW: The BioChem Thinker: B. Hershkovitz; Israel.
- Ms. PramilaRamani, Prof. Dr. HarshaPatadia: Computer Assisted Instruction in Teaching of Mathematics, IOSR Journal of Humanities and Social Science (JHSS), ISSN: 2279-0837, ISBN: 2279-0845. Volume 2, Issue 1 (Sep-Oct. 2012), PP 39-42, [www.iosrjournals.org](http://www.iosrjournals.org).
- RamazanBasturk: The Effectiveness of Computer-Assisted Instruction in Teaching Introductory Statistics, International Forum of Educational Technology & Society (IFETS) ISSN 1436-4522.
- Computers in Education in Developing Countries: Why and How? by Luis Osin.
- Patricia S. Moyer-Packenham, J. M. Suh: Learning
- Mathematics with Technology: The Influence of Virtual
- Manipulatives on Different Achievement Groups, Article to be published by VM Achievement Groups, 2011.