

“Adaptation of Private School Teachers to Online education whilst COVID – 19 A case study of Ranchi (Jharkhand, India).”

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Abstract - PAN globe, the consequences of the COVID-19 pandemic, curb measures and consequent lockdown leading to shut down of schools in Ranchi since March 2020 and partial re-opening has been a reason of many adverse as well as technological adaptations. Educators were confronted, to adapt to virtual delivery of sessions. The results of a survey of teachers, teaching in Private school in April and May 2021 have been depicted in this paper. The researcher has analyzed the extent to which the educators, maintained social contact with students and mastered core teaching challenges apart from it the researcher has too analyzed potential factors (ICT Tools, virtual pedagogical knowledge, and teacher's education & learning opportunities pertaining to virtual delivery of sessions). Findings from, analyses depict that ICT tools, teacher's digital competence and inquisitiveness to learn digital competence, are instrumental factors in adapting to online teaching during COVID-19 school closures.

Keywords: COVID – 19, ICT, Private School teacher's competence, technological pedagogical skills.

I. INTRODUCTION

PAN globe the consequences of the COVID-19 pandemic has been resulted to lockdown, Tens of Hundreds of schools in Ranchi were closed in March 2020. Almost after eight to nine months, schools began partially re-opening in November – December. The teaching and learning process had to go uninterrupted as a break into it would lead to disruption of the future of country. The only way to keep words was virtual sessions. With all, the available resources, the baton was over to teachers to deliver their contents in most splendid way. The expectations were high and the resources and training was less. As consequences, private school teachers face remarkable challenges in getting adapted to virtual sessions, properly maintaining communication with students and supporting them to learn and evolve. However, to larger extent teachers have successfully chefed these challenges. The large scale school shut down whilst, shaped a rapid transformation in technological innovations and digitalization, of educational industry.

Against, this hard times, the researcher studies the implication of all such things on private school teachers, nurturing at various standards of schools (primary schools, middle schools, secondary schools and higher secondary schools). Belonging to the 'digital native' generation, it is expected that target group should be able to quickly adapt to the challenges posed by virtual sessions.

To what extent educators have been able to keep social contact with students and parents, in addition to polishing and nurturing online pedagogical skills via online dias, is a matter to be

studied.

The ups and downs in cases and manipulated variants are a clear pose that the pandemic is going to have even, a larger implication. The mightier wave, depict the tendency of virus to grow, as such prevailing under such circumstance, it would be merely impossible to start offline sessions.

Therefore, enhancing & sorting educator's pedagogical skill is preferably important.

Objective of the study

1. To analyze the social communications established between the private school teachers and the parents.
2. To analyze the challenges faced by the private school teachers in delivering virtual sessions.
3. To analyze the digital competence of private school teachers.
4. To analyze the ways to inculcate and nurture the digital pedagogical skills in private school teachers.

Hypothesis of the study

1. There is no significance lack of digital pedagogical skills among private school teachers.
2. There is no significance breach of social communication between private school teachers and parents.

II. REVIEW OF LITERATURE

Review of literature helps researcher to find out the research gap of existing research article and researcher tries to fulfill the gap through his own research.

The researcher found, the following literatures to be considered.

Chauhan (2017)

In the research conducted, the researcher found that digital technologies enable new opportunities for teaching and learning and the use of ICT has become highly popular in elementary and secondary schools in recent years.¹

Lauermann and König(2016)

In the research conducted the researchers found that the pandemic era requires knowledge and skills inclusive of confidence, to succeed in online teaching. The self efficacy of a teacher plays a major role, and also works as a source of motivation. The highly motivated teachers adopt, the ICT skills proactively and work to deliver their utmost contents exemplarily.²

Ferrari (2013)

In the research conducted, the researcher found that apart from imparting technical skills to teachers, the students too need to be aware. Proper skill, orientation and training, to be imparted, for smoother, implementation, of the technology.³

Selwyn (2012)

In his research, the researcher, found the high involvement of ICT tools in educational sector, the teachers have to enhance, their skills to establish a better communication with latter. The research was done to find the significance of ICT in education.⁴

Kozma (2011)

In the research, the researcher found that the only medium to connect conventional learning with modern techniques is ICT. The knowledge needs to be weaved and knitted, before dispensing as it will lead to impart of quality education and even spread of it in the rural areas. The digital technique can be used to even find resources and find teaching aid.⁵

Todorova & Bjorn-Andersen (2011)

In this the researchers have found that the pandemic is going to last long and before the whole educational mediums collapse, it is necessary to adopt, the virtual mode

of education and train, the students as well as the teachers efficiently.⁶

Li and Ma (2010)

In the research conducted, the researcher found that only availability of ICT hardware doesn't define the progress of a student. The teachers and students must be motivated to adopt, the digital tools, this will help to reach far areas of the globe as well.⁷

Tschannen-Moran and Hoy (2001)

In the research conducted, the researcher found that the efficacy of a teacher designs a belief for him to succeed in specific situation. The level of perceiveness, of a teacher influences his action, effort and his defines his strength to sustain possible challenges.⁸

Importance of the Study

The study, has been need of hour seeing the discontinuation of regular classes. No one would have ever thought that the whole system of education would have to be shifted on virtual mode. The findings would be inculcated to revive the pedagogy and pedagogical system of the country. The repeating of waves of the pandemic shows that, only with the virtual mode, education can be imparted seamlessly.

Just investing to hardware infrastructure development won't lead to efficient education.

COVID 19, “ A period of Invention in education system.”

Though education industry doesn't contribute much to the economy of INDIA, still, a time has arisen where governments need to take care of this industry. The prevailing pandemic has made things still, to keep the incessant pace of education, investments in pedagogical skill development with proper infrastructure is needed. A well - efficient teachers, to deliver and compatible with smart board and pen-tablets are required.

Earlier, people didn't know about pen – tab and Digi-boards but today it has become, people are acquainted.

Challenges, of private school teachers, in adapting to virtual education system.

The monetary assistance, provided to private school teachers is substantial, under that developing digital infrastructure is merely impossible, to overcome it, private school teachers move to “Jugaad” technique. The time has come, where budget be allocated for Digital deliverance of content.

Proper pedagogical skills with, high equipped infrastructure will lead to better imparting of education, the care takers

¹ A meta-analysis of the impact of technology on learning effectiveness of elementary students || Sumedha chauha|| 2017

² Teachers' professional competence and wellbeing: Understanding the links between general pedagogical knowledge, self-efficacy and burnout || Fani Lauermann J.Koing || 2016

³ Innovation and Creativity in Education and Training in the EU Member States: Fostering Creative Learning and Supporting Innovative Teaching || Anusca Ferrari and Yves Punie || 2013

⁴ Making sense of young people, education and digital technology: The role of sociological theory || February 2012 [Oxford Review of Education](#) 38(1):81-96

⁵ ICT, Education Transformation, and Economic Development: An Analysis of the US National Educational Technology Plan || Robert. B. Kozma || February 2011

⁶ Todorova, N., Bjorn-Andersen, N. (2011). University learning in times of crisis: The role of IT. *Accounting Education*, 20(6), 597-599

⁷ A Meta-analysis of the Effects of Computer Technology on School Students' Mathematics Learning || Qing Li & Xin Ma || April 2010

⁸ Teachers' efficacy : capturing an elusive construct.|| Meghan Tschannen Moran , Anita WoolFolk Hoy || February 2001.

and managements of private schools need to think & the resilience be used as a rejuvenating period.

Impact of virtual education on students

The virtual education has prolonged impact on the physical and mental health of the students. It has to be noted, that the continuously using phones and tablets lead to weak eye – sightedness.

The addiction, to web series and games has been a point that need to be noted and healed, the psychological impact has to be studied and mental health of the kids to be calculated, to know the pros and cons of the latter.

Affect of virtual education on parents.

In most of the cases, the parents have surmised, the virtual education to be precarious. Refraining from payment to pay fees, getting enrolments striked out, is all a matter of concern. Such, acts have been a passive gesture of demotivating private school teachers.

Time – to – time surveys need to be conducted to know what actually parents expect, then after the needed changes be implemented on school levels, the satisfied parents will ultimately clear the dues, leading to on time payment of teachers and proper infrastructure and skill development programs for latter.

III. RESEARCH METHODOLOGY

For the study, the data sample of 100 private school teachers were collected in the month of April & May, where 50 each male and female from all over Ranchi were selected, the average age of the respondent was 37 years. Out of 50 male teachers , 26,14, 10 were Post Graduate teachers, Trained Graduate teachers and Primary School teachers respectively.

In case of females, out of 50 females, 20, 10,10, 10 were Post Graduate teachers, Trained Graduate teachers, Primary School teachers and Mother teachers respectively.

IV. FINDING AND ANALYSIS

A likert chart format was prepared with scale value from 0 – 4. The chart was basically designed to find working, informing, communicating, delivering and problem solving techniques of the private school teachers, which accounted to 0.57, 0.87, 0.67,0.82 and 0.55 respectively for the collected samples.

The descriptive analysis depicts that 90% of the teachers have accustomed to online teaching with regular communication with parents and extra support to, the students.

It was also found that, 63 percent of the teachers, delivered online sessions once in a week. 39% of them need, monetary assistance, to develop and install the basic hardware requirements for delivering, the sessions.

V. CONCLUSION

The findings, reveal that to a colossal level, the teachers have managed to connect with the parents and even deliver the contents in a well – defined way. However, schools need to focus on providing proper training with technology and digital content. The private school teachers, be provided with financial aid, using which they can invest, in developing and setting digital requirements at their own place.

The concept of virtual education can be more elaborated with the establishment of digital departments to animate, design and deliver the contents in an efficient manner.

COVID – 19, serves as re-silence for online education. The pandemic, is going to have a longer impact and when it comes on educational industry, a long break would lead to chaos and declin in the productivity of a country. A complete full stop, over education would lead to high rate of un-employments. The boundaries and all threats can be covered with proper & high level induction of technology & digital pedagogical skills.

The Ministry of Education & HRD at Union & state level should take cognizance for imparting certificate & degree courses for ensuring high level of online education.

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