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Online Education one of the Way to Handle Challenges Posed by COVID-19 in Higher Education

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Abstract:

Online education is delivered through internet to the students. It allows students to study from any place. The online method of teaching and learning is best suited for everyone. COVID -19 pandemic affected the world negetively;Education sector is also suffered .Due to lockdown, face to face teaching and learning is also disturbed. Academic institutes gradually adopted online mode of teaching and learning in order to teach students .Many professional institutes and colleges have organized training and faculty development programmes to upgrade ICT knowledge of teachers. Online teaching and learning is alternate mode of delivery of knowledge. Now a days online teaching learning getting momentum. Through online education, social distancing can be exercised.

Key Words: Online education, COVID -19, higher education

Introduction :

Teaching is an art and learning is science .In this electronic era for teaching does not mean that it will lost the beauty of teaching. In this COVID 19 time online teaching is a combination of skill set by teacher in art of teaching .Each teacher can use own method by using ICT tools.Knowedge and skill creation, knowing skill of teaching are important. Online education turning crises into opportunities Online education is a form of education that is delivered via internet to the students using their computers or smart phones .It is electronically supported learning that relies on the internet for teacher – student interaction and the distribution of class materials .Online learning allows students to study from any place where they have a stable internet access. It also allows them to study at any time they find comfortable .Due to its convenience and flexibility the resources are available from anywhere at any time. Everyone who are part time students or are working full time can take advantage of web- based learning. The online method of learning is best suited for everyone .Online learning gives you more flexibility. This flexibility provided learning opportunities for many more learners (Young 2002).This is the great transformation is posing challenges to teachers and teacher education in using technologies in creative and productive ways .Teacher have to meet these new challenges by continuously acquiring new knowledge and skills to discharge our duty effectively.Online education is way ahead in education

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Skills expected from worrier teachers:

From live to virtual classroom become cause of worrying. Most of the teachers not accepting online teaching, to teachers it become habitual to chalk and talk method.COVID-19 has forced to suspend physical classroom and shift to online classes. It is a massive, distruptive shift to move all the existing courses online in matter of days. In general to complete online courses requires an elaborate lesson plan design, teaching materials such as audio, video contents, as well as technology supports teams. However due to sudden emergence of COVID-19,most faculty members are facing the challenges of lacking online teaching experience, early preparation, or support from educational technology teams. High quality participation to improve the breadth and depth of students learning.(Wei 2020).

Learning is a lifelong process as per teaching is concern weather offline or online teaching, to know what is education most characteristics in teaching. It is important to learn and set the mind power to deliver the knowledge.Digitilization is not a problem when teachers adopts a skills. Teaching becomes great challenge because entire things are going to change rapidly. How to become a online teacher in the form of worrier is a challenge. When we call about digitalization, digital tool, everyone should have exact connectivity in mind with digital learning .As the outcome of teaching- learning, educational outcome should be appreciated. Skilling online education the need to undergo not only basic tools of technology and skills of technology is required. Teachers have to update in all respect and have to reskill themselves in many ways. online education empower in Higher education. By using effective E resources teachers have to adopt technology for online teaching for exploring online education.

Utility of online learning during COVID- 19 lockdown:

Due to the closure of Schools,Colleges,Universities,many parents,teachers,and students are trying to adopt to new "Routin"and challenges involved in online learning. COVID -19 pandemic impacted negatively to the world. It has affected to the health of citizens of the country .Lockdown is imposed in order to handle challenge posed by COVID -19 .During lockdown period educational institutes are closed .Face to face teaching and learning is disturbed .Academic institutes gradually initiated online meeting and classes in March to cope up with the lockdown situation .Number of institutes started sharing academic recourses through online mode .Many professional institutes and colleges have organized training and faculty developing programmes to upgrade the ICT knowledge of teachers .COVID-19 crises have enabled teachers to enhance their ICT skills .The outbreak has resulted online interaction between teachers and students. In India 37 million students are currently enrolled in higher education .The bottom line of success of online courses is engagement of students. Online teaching and learning is alternate mode of delivering of knowledge and this is found beneficial (Hadiya 2017).

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online lab experiment should be encouraged, this is possible in Computer Science, Commerece and Management Studies .Now a day's online teaching and learning getting momentum. The online method of learning is best suited for everyone. Through online education social distancing can be exercised. The lockdown has been working as catalyst for educational institutes to grow and opt for platforms and technique they haven't used before.

Creating Tech savvy teachers for future classroom:

Strategies and Challenges during COVID-19 pandemic has changed the responsibilities and role of faculties in higher education, which is changing the face of education. It is the need of time to create tech savvy teachers for future classroom during and post COVID-19 times. The students and teachers do not have much access to library and all materials converted to e-form so there are challenges. Distance learning and learning outcome, web based leaning are three important pillars of education and which have become more important in today's times .The breaks comes due to COVID-19 historical accident this lead to structural break. Before COVID-19 and after COVID-19 teaching will be changed .This is the time to collaborate and share skills.Technosavy skills to be upgraded of ICT like learning management system(LMS) for individual teacher, group of teacher ,online courses creation and sturcturing,teacher student formation and management, grading of offline and online assignments,quizzes,content uploading ,discussion forum, analytic tools management for tracking learners performance. As per Gazette notification (Indian Government) any student can enroll in up to 20% of courses per semester through MOOCs and SWAYAM (Study Webs of Active learning for Young Aspiring Minds)and earn credits .Teachers have to empower with ICT tools because 50% job requires in ICT tools so transformation will come when each and every student and teacher adopts online teaching learning and for this all technological support should be required in every college. So many teachers are scared about online teaching and not mentally prepared for online teaching. Technology cannot replace great teachers but technology in hands of great teacher can be transformational. Teachers have to make empower and relevant to the system by use of technology in that way student can't replace you. And for that content quality of online teaching is very important.

Artificial intelligence, robotics, virtual reality, internet of things (IOT) are the education technologies of future to face the challenges posed by COVID-19. Artificial intelligence will help in adaptive assessment, algorithms which replace mentors. Examinations at doorstep, digital invigilation and digital attendance can be possible. To upgrade the ICT knowledge technology enhanced programme is an attempt to empower teachers to keep up with time and need of student's .To go beyond chalk and talk method teachers have to be trained from basic to advance level .In order to transform this idea into reality, for this each college have maximum computers along with servers so that learning process continues and colleges become a part of this E -learning journey

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In India over 200 universities are planning to offer online degree courses for students .ICT empowered teaching ,ICT enabled research and creation of digital resourses,online faculty development programmes . Webinars, ARPIT (Annual refreshment programme in teaching), ICT enabled administrative roles etc ,these are the new roles of a teacher to face the challenges posed by COVID-19.

How to hold student attention while online teaching:

Online education have its own padagology.The effectiveness of online learning varies among the age groups. The general consensus on children ,specially younger ones is that specially structured environment is required. Because kids are more easily distracted. To get full benefit of online learning, there needs to be a concerted effort to provide this structure and go beyond physical class, lecture through video capabilities. instead using range of collaboration tools and engagement method that promote "inclusion, personalization and intelligence", according to Dowson Tong, Senior executive vice president of Tencent.During online education to hold the students attention is also a challenge, for this dividing the teaching content into smaller units to help student focus and adopt modular teaching method ,In traditional class teaching, body language ,facial expression, and teacher voice are all important teaching tools. However ,once course is switched to online teaching it's difficult to use these teaching tools in online teaching, therefore faculty slow down their speech to allow student to capture key knowledge points. Faculty should use various methods to strengthen student's active learning outside of class. Combining online and offline self learning effectively .(Wei.2020) Give relevant examples, try to summarize the knowledge, content should be easily understand on screen,Imporatnt points should be there, don't put the audience off generate the interest so audience remain same there. Increase involvement of students so students will prepared, understand the psychology of students, instead of informative learning conceptual learning should be there. Make students attentive so online teaching can go effectively. In the education student interest is at topmost at any agenda. In this lockdown period counseling centers should be set like "MUSKURAYEGA INDIA". and teachers have to motivate students for online learning. Digital population in India is also increased, we can use this in COVID-19 for online education and most internet users are from younger generation. Online leanings the catalyst to create new, more effective method of educating students.

Result and Discussion :

Digital learning has led to a reduction in cost and has taken the impact and reach of resources for students as well as teacher to another level. It has been observed that the things taught through online mode have a lot many challenges for educators and learners.(Howell,et.al.2003).learning Digitally will be the new face of Indian education .It will be very useful and constructive means for both teacher and students in coming years. The Government is working with various agencies to build up new platforms through which e learning can be easily done and where students, teachers and parents can closely connect(Shtakshi and Nardev 2020).

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