Network Problems

About 200 children have been forced to travel 50 kilometers a day to an area with an internet connection for online learning from their remote coastal villages in the Ratnagiri district of Maharashtra.

Fig: children learning lesson from online classes through mobile.

Lack of Infrastructure

"A survey conducted by the Maharashtra State Education Research and Training Commission in collaboration with UNICEF in July 2020 found that 59.8% of students use smartphones with internet connection. Only 30% use diksha app, the state's online platform. for educational content 0.72.2% of parents lack digital skills to access state government-provided e-learning at home and 66.4% of families do not have a smartphone. Only 0.8% of students have desktop and laptop computers for online learning.

Economic/Social Backwardness of Students/Parents

The survey shows that there is a clear social divide in terms of accessibility. More households in urban areas have access than in rural areas. Among households in the Scheduled Tribes (ST) population, access is lowest at 42.6%, while it is highest at 73.5% in the social (category) quintile. Generally speaking, 17% of households do not have devices such as smartphones, internet, radio and TV. More than 20% of households do not have devices in ST and NT social groups and educational units of Nasik and Nagpur as reported by MSCERT and UNICEF. Learning materials and television followed by online courses 26% and radio 10%. Social group ".

Create Digital /Technological Divide

 The Amravati department has the lowest access to learning resources, followed by Konkan and Nagpur parts. In the region, Vidarbha has the lowest access to online learning, followed by Marathwada and Khanhanesh. Family sharing equipment and lack of digital skills towards the parents to access materials, reloading phone / internet settings, mainly connecting in remote blocks, distracted children on the device (eg mobile game), the material is not available at their educational level, which has been evaluated as obstacles to access online education. "5" Online spiral surveys have shown that children face a combination of problems with accessing digital access education. The number of students approaches maximum students through WhatsApp . approx 75% and more than 75% of children report you do not challenge the crowd to access digital access education, including no internet connection, unable to pay data, inter-speed NET,

non-conductive signal, estimated children from difficult circumstances will take nearly 40% of their academic years. students face challenges to accessing digital education. Most face challenges, like the lack of computer support, changing technology is taking place, uneven access to all students, and software is not optimized for mobile devices and security issues. Most colleges and universities. Maharashtra schools face teaching and online learning problems."

Scope

The Government of Maharashtra has implemented several initiatives for e-learning education. Distance learning initiatives in Maharashtra, providing the foundation for the learning process of online education"

Fig: Online learning process

Initatives Undertaken by Balbharti

E-learning app for 10th Standard

An e-Learning app has been created by Balbharti for the 10th standard. App content is available for Hindi and Marathi students. App content is available in both online and offline modes, which can be accessed using both the mobile app and the desktop app. The app provides a wide range of content available on the platform, including: Tutorial Videos, Practice Questions, Reviews, PDF ETextbooks, Lesson Plans, Slides, Recorded Classrooms. Currently, there are 46,425 users on the platform.

BolklBalbharti Audio Book

The aim of the project is to provide audiobooks on English and Marathi subjects to students in grades 8, 9, and 10. This content can be accessed through the Bolki app and on the desktop app .Currently, there are 22,200 users of this application. App content is available in online and offline mode.

E-Balbharti channel

To provide a learning platform for students, Balbharti established a YouTube channel. The channel has video content to guide students in grades 5-10. The channel provides content for students and teachers in English, Marathi, Hindi, Gujrati, Telugu, Urdu, Sindhi and Kannada. Since the content is available on the YouTube platform, it is accessible on both mobile and desktop devices. Currently, there are 39,50,386 users of the platform.

E-books

The goal of this initiative is to make textbooks available in PDF format to students in all grades across all Maharashtra Board media. The eBook is available to all students from grades 1 to 12. Maharashtra Board covers 10 broadcast media for students. The platform offers books for all mediums. Currently, 10, 25,000 users have accessed books on the platform.

Virtual Classrooms

The idea of launching virtual classrooms is to reach students in schools without teachers. The pilot of this project was done for 9th and 10th grade students in Marathi language. Virtual classrooms include Math, English and Marathi subjects. Lessons are conducted using devices that are already installed in the classrooms of specific schools. These face-to-face classes are only available online, and the initiative has been tested with 6,400 students.

Teaching and learning from Home (RAA Amravati)

Content for elementary, middle, high, and high school students. The resources were created for students with the help of DET instructors. The students received resources on WhatsApp as a means of communication. Teachers are trained in subject pedagogy to provide online instruction with the help of Zoom. Under the leadership of DIET, 916 Amravati teachers in Amravati district have planned online education for 92,560 students. Content created through this initiative is available online and offline.

Source

https://www.google.com/search?q=Diksha+Abhyasmala+campaign&bih=600&biw=1366&hl=en,US&source=lnms&tbm=isch&sa=X&ved=2ahUKEwiPu_eM8vT1AhWISmwGHQgsCiIQ_AUoA3oECAEQBQ#imgrc=Xw8aQhccmN7LjM

Opportunities

There are number of platforms available for online teaching learning process, some of them mentioned below.
- Commercial online platform
- Free online learning platform
- Online learning portals

- Online websites
- Smartphone mobile app
- Zoom, teachmint
- Google classroom

The government institutes like UGC, IGNOU, IIT'S, NIOS and private institutes like TCS,Infosys has taken some initiatives for online teaching learning some of them mentioned below.

- Swayam
- Swayamprabha
- Diksha
- Digshala
- e-Pathshala
- e-PG pathshala
- vidwan

Methodology

Data were collected for this study from different websites, i.e. all data sources are secondary.

Conclusion

Humans are socialist animals and cannot live, learn and develop alone without society. The online education system hinders the all-round development of students because the online education system is not interactive compared to the face-to-face offline education. It's just a way to learn during the pandemic, but not an option for offline education. The online education system creates a number of health problems, mostly headaches, eye irritation, spinal cord problems, and more. Overall, online education affects the mental and physical health of students. The online education system creates a divide between students and teachers, which affects the personality development of students.

References

- Abha Goradia july 21, 2020, Maharashtra: Only half of the students in a state have access to online learning,finds survey, https://indianexpress.com/article/cities/mumbai/maharashtra-only-half-of-students-in-state-have-access-to-online-learning-finds-survey-6515552/
- Webpage World economic forum the covid-19 pandemic has changed education forever this is how, https://www.weforum.org/agenda/2020/04/coronavirus-education-global-covid19-online-digital-learning/
- **3)**Vinamrata Borwankar/TNN:April 29,2021 In pandemic year,over 25k kids out of school in Maharashtra. https://timesofindia.indiatimes.com/city/mumbai/in-pandemic-yr-over-25k-kids-out-of-school-in-maharashtra/articleshow/82299609.cms
- Webpage of Vikaspedia .Remote learning initiatives in Maharashtra https://vikaspedia.in/education/education-best-practices/remote-learning-initiatives-in-india/remote-learning-initiatives-in-maharashtra
- Webpage of Times of india April 13,2021, https://timesofindia.indiatimes.com/home/education/news/over-75-children-report-challenges-to-access-education-digitally-survey/articleshow/82050164.cms.
- Webpage of Deccan Herald Aug 22 2020, https://www.deccanherald.com/national/west/forced-to-travel-50-km-for-online-classes-maharashtra-village-children-reach-out-to-ncpcr-for-internet-876447.html
- Naik,G.L.,Deshpande,M.,Shivanada,D.C.,Ajey,C.P., & Manjunath Patel,G.C,2021.Online teaching and learning of higher education in india during covid-19 Emergency Lockdown.Pedagogical research,6(1),em0090.https://doi.org/10.29333/pr/9665.