



# **iJRASET**

International Journal For Research in  
Applied Science and Engineering Technology



# **INTERNATIONAL JOURNAL FOR RESEARCH**

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

**Volume: 8      Issue: XI      Month of publication: November 2020**

**DOI: <https://doi.org/10.22214/ijraset.2020.32277>**

**[www.ijraset.com](http://www.ijraset.com)**

**Call:  08813907089**

**E-mail ID: [ijraset@gmail.com](mailto:ijraset@gmail.com)**

# The Impact of Online Learning during Covid-19 Pandemic: Students Perspective Maharashtra, India

Apeksha R Kanojiya

Academic Research Student, Department of Information and Technology, B. K Birla College of Arts, Commerce and Science (Autonomous), Kalyan, Thane, India.

**Abstract:** The purpose of this study was to conduct online survey regarding students experience and perception related to online classes. Online platform has been a recent modification taken by the education system in India due the corona virus situation. Thus, this survey describes the opinion of school, college and university students with regard to online learning classes that have been made compulsory in the wake of corona virus situation. A structural questionnaire (Google form) link was sent to, colleges and university students WhatsApp, Facebook, and E-mail. The samples of 65 students are considered in this survey. This online survey method was used for data collection. The learners were used smart phone mostly for attending online lectures. Students also face many problems such as unfavorable environment for study. The finding shows that the following area plays an important role for students' satisfactions with online platform- class module, network issues, proper interaction and discussion with teacher and student.

**Keywords:** Covid-19, Online classes, Student Perspective, Survey.

## I. INTRODUCTION

The corona virus disease first appeared in Wuhan city of China at end of the last year 2019. Rapid spreading of corona virus across the world. The World Health Organization (WHO) declared as 'Pandemic' on 11<sup>th</sup> of March 2020(Wikipedia). In India the first covid-19 case reported in India (Kerala) on 30<sup>th</sup> January 2020. India has been experiencing large number of corona positive cases. The Indian government has initiated a common goal to prevent the spread of covid-19 disease by imposing social distancing, lockdown, restrictions on immigration. Thus pandemic, corona virus impacted education system. According to UNESCO reported, covid-19 affected the student nearly 68% of world population as per the data taken in the month of June 2020. More than 32 corers students were affected by corona virus in India. Governments all around the world are making strategies for the teaching and learning process in online platforms. The present study aims to identify the learning status, issues related online lectures during this lockdown amidst the corona virus pandemic.

## II. LITERATURE REVIEW

In the emergence of coronavirus disease 2019 (COVID-19) forced the world-wide education sectors to adopt online mode immediately introduced by Bisht et al.[14].The Government of India has played a major role in the development of e-learning in India and the Department of Electronics and Information Technology is developing tools and technologies for promotion of e-learning or online learning by supporting Development projects given by Kundu.et al[11]. The covid-19 virus pandemic landed the education system in danger, thus challenge imposed to accept the virtual platform for teaching and learning process the article explained that the lockdown pressurized many educational institutions to cancel their lectures, classes, examinations. Thus covid-19 created many opportunities and challenges to education to strengthen their technological knowledge systems. The lockdown given many hopes to students and teachers to continue their classes through online platform like zoom, Microsoft teams, telegram, Goggle introduced by Jena.et al.[1]. Almost all the colleges and universities developed the online portal for their faculties and students introduced by More et at.[16].The paper suggested some measures to overcome from the covid-19 pandemic situation such as health related measures like us social distancing, precautions tools, special hygiene, and digitization in educational sector. The authors conclude the study showed the some lacunas that education main role for socio-economic development of the country. This article explained the implementation of some suggestive given by author, the country will move forward and make sure overall progress in education sector. (2020, April)[2]. This article explained the Skills are necessary and effective measures are required on these pandemic situation. Effective learning and quality of education is needed for overall developments for students given by Shenoy et al. [3].This article explained the advantages and disadvantages of online teaching and learning by students and professors under this covid-19 pandemic introduced by Farooqui et al.[8]. This article reported that issues related to networks, lack of interest and attendance, lack of personal touch and interaction faced by the teachers and students in the online teaching and learning process introduced by Arora and Srinivasan et. al.[6].In such situation the author intended to carry out a study on perception and experience of students toward online learning under this pandemic period.

### III. METHODOLOGY

This is an online survey-based study in which 65 students as participants these students are studying in various colleges and universities of Maharashtra. The survey was held using Google forms circulated the link of Goggle form to the social media.

#### A. Data Collection

An online survey was conducted from 1 November to 21 November 2020 to collect the information in the form of questionnaire. There are forty-four females and twenty-one males. The research concludes that the covid-19 has an effect on students Learning, an issue that is mainly surveyed online and involves total sixty-five students, and try to understand what they think about it, and sent students from different areas through platform of social networking and sought their views on the impact of lockdown's periods issues in online education, survey issues included a variety of questions, the results of all opinions has mentioned in results and discussion point.

### IV. RESULT AND DICUSSION

Following online survey and its result given below.

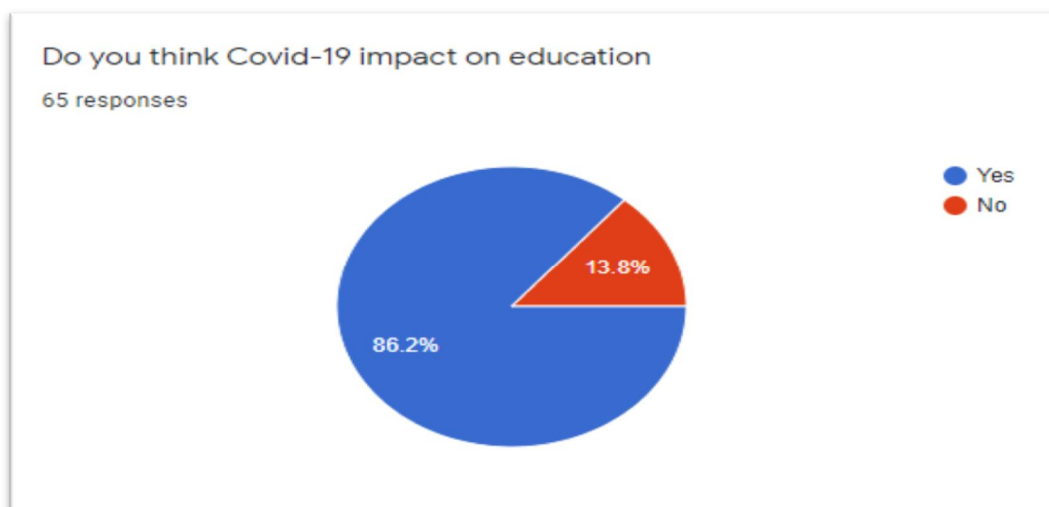


Fig 1. Do you think that Covid-19 impact on education.

According to our survey paper more than 86.2% students think that Covid -19 had huge impact on educational sector and very few students (13%) think that there is no impact on education sector.

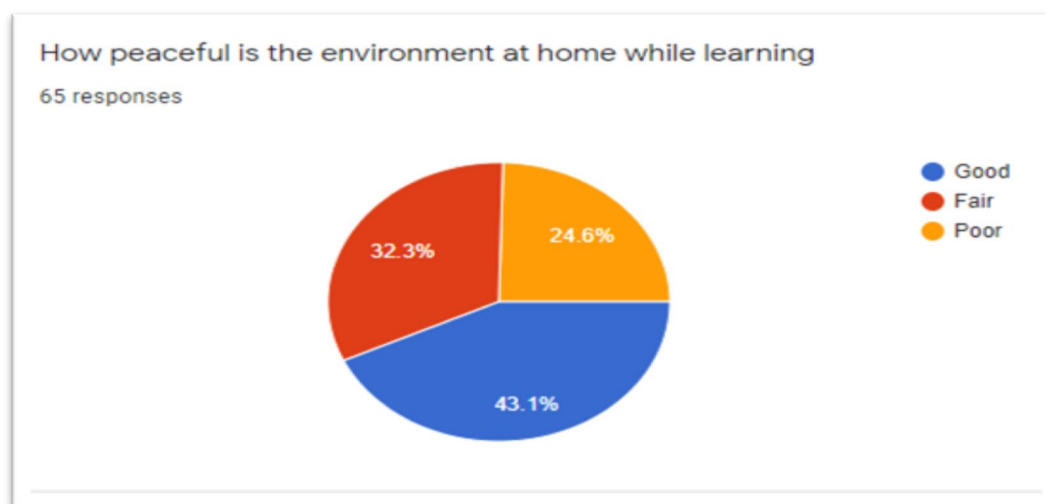


Fig 2. Peaceful environment at home while learning.

More than 43.1% students think that they had peaceful environment for learning and 32.3% students feel they had fair environment to study less than 24.6% students think that there is distraction while study at home. May be kids and Noise around can be irritating for the students while attending the online classes.

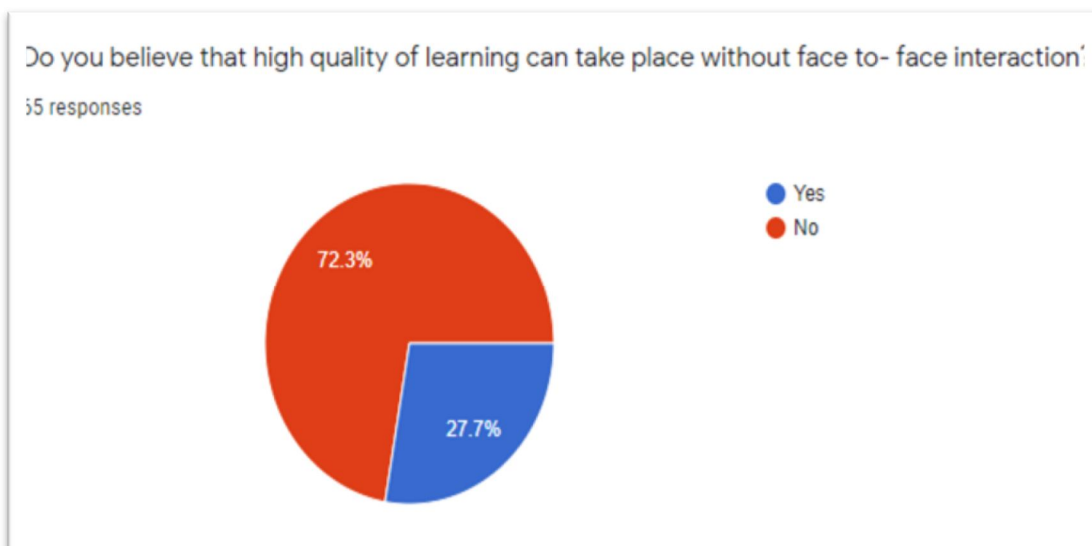


Fig 3. Do you believe that high quality of learning can take place without face to face interaction.

According to our survey paper more than 72 % students think that face-to-face interaction is must for high quality of learning and make it interesting for them less than 27.7% feels that high quality learning can take place without face-to-face interaction by giving proper theoretical and practical knowledge.

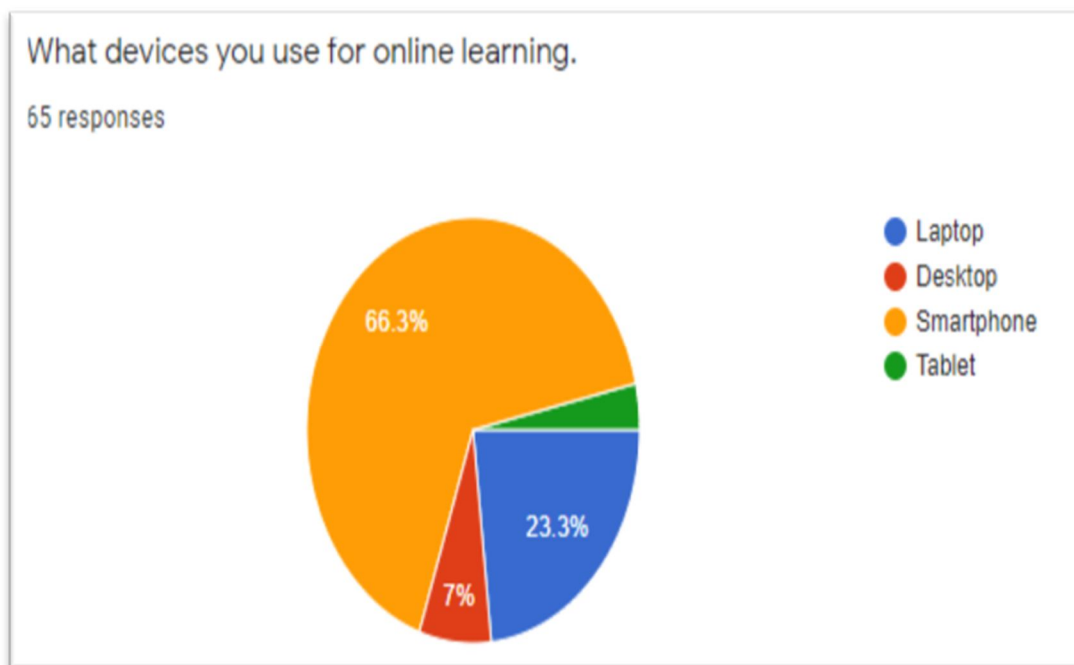


Fig 4. Devices use for online learning.

Above fig 4. Shows that student were using various device for online lectures such as laptop, desktop, smartphone and tablet more than 66.3% used their smartphones for learning and another 23.3% used their laptops for attending online classes and 7% students used their desktop and rest of all used tablet for attending online classes.



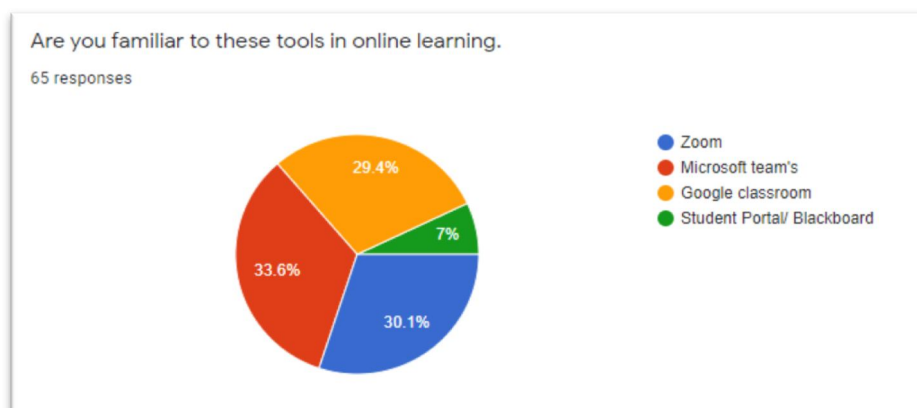


Fig 5. Tools used for online learning.

It is found that the students were using various digital platforms for attending lectures and learning evaluation, such as the Zoom app, Microsoft Team, Google classroom and student blackboard. The result shows that most of the respondent used Microsoft Team for attending online classes. Zoom application used by students 30.1% and Google classroom 29% used and less than 7% student used student Portal for online learning.

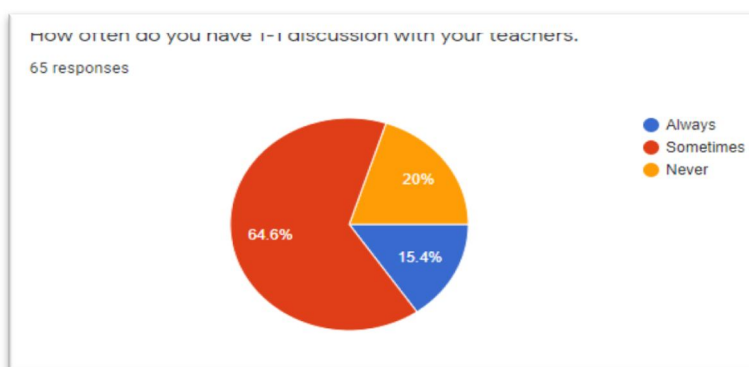


Fig 6. One-to-one discussion with teacher.

Above Fig 6 Shows that there are only 15% students who actually interact and discuss with teacher more than 64.6% only few times interact with professor during online classes and few of them never interact with teacher.

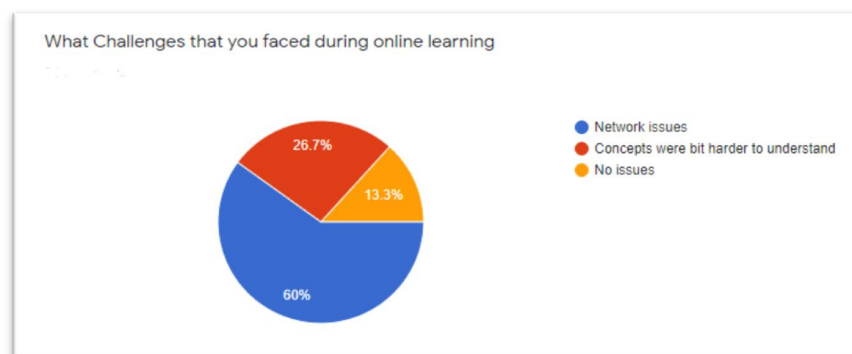


Fig 7. Faced challenges during online learning

More than 60% students having network issues while attending online class at home. Only 13% students do not faced any problem while attending lectures may be they have good internet connectivity and rest of all students are unable to understand the concept in online learning.

## V. CONCLUSION

Online teaching plays an important role during the pandemic but its consequences cannot be ignored. After taking the opinion of the students, it is understood that Covid-19 pandemic has a definite effect on education system. Due to Lockdown issues, students can't concentrate on their studies. Although students are using digital platforms for learning many of them face huge challenges in online study such as network issues, concepts were bit harder to understand, less face to face interaction. Our study has suggested the following recommendation that try to fix module for class so student can make peaceful environment at there. Teacher or professor must take an effort to interact or discuss with students so they can understand the topics as well as enjoy learning remotely. More interaction between teacher and student improve overall learning process.

## VI. ACKNOWLEDGEMENT

The author would like to thank Prof. Swapna Augustin Nikale, Department of Information and technology of B. K. Birla College of Arts, Commerce and Science (Autonomous), Kalyan, Thane.

## REFERENCES

- [1] Kumar Jena, D. P. (2020). Impact of covid-19 on education in India. International Journal of Current Research, 5(3), 77–81. <http://www.alleducationjournal.com/archives/2020/vol5/issue3/5-3-27>
- [2] 05. (2020, April). Possible impacts of covid-19 pandemic and lockdown on education sector in India. Food and scientific reports. <https://foodandscientificreports.com/session/2020517.html>
- [3] Kumar, D. N. S. (2020). Kumar, D. N. S. (2020). Higher Education Digest. Impact of COVID-19 on Higher Education, 1–7. Higher Education Digest, 27–30. <https://www.highereducationdigest.com/impact-of-covid-19-on-higher-education>
- [4] Shenoy, V., Mahendra, S., & Vijay, N. (2020). Covid 19 lockdown technology, adaption, teaching, learning, students engagement and faculty experience. Mukt Shabd Journal, 698–702. [https://www.researchgate.net/publication/340609688\\_COVID\\_19\\_Lockdown\\_Technology\\_Adaption\\_Teaching\\_Learning\\_Students\\_Engagement\\_and\\_Faculty\\_Experience](https://www.researchgate.net/publication/340609688_COVID_19_Lockdown_Technology_Adaption_Teaching_Learning_Students_Engagement_and_Faculty_Experience)
- [5] R. Jadhav, V., R. Aswale, S., & D. Bagul, T. (2020). COVID-19 Era: Students' Role to Look at Problems. International Journal of Research and Review, 7(5), 22–27. [https://www.ijrrjournal.com/IJRR\\_Vol.7\\_Issue.5\\_May2020/Abstract\\_IJRR0049.html](https://www.ijrrjournal.com/IJRR_Vol.7_Issue.5_May2020/Abstract_IJRR0049.html)
- [6] Arora, A. K., & Srinivasan, R. (2020, April). Impact of Pandemic COVID-19 on the Teaching – Learning Process: A Study of Higher Education Teachers. Indian journal of management, 13(4), 1–4.
- [7] Pandita Koul, P. P., & Bapat, P. O. J. (2020). IMPACT OF COVID-19 ON EDUCATION SECTOR IN INDIA. Journal of Critical Reviews (JCR), 7(11), 3919–3930. <https://doi.org/10.31838/jcr.07.19.535>
- [8] Farooqui, S. (2020, May 01). Education in the time of Covid-19: How institutions and students are coping, Business Standard. Retrieved from <https://www.business-standard.com/article/education/education-in-the-time-of-covid-19-how-institutions-and-students>
- [9] Sharma, K. (2020, May). In India, over 32 crore students hit by covid-19 as schools and colleges are shut: UNESCO. <https://theprint.in/india/education/in-india-over-32-crore-students-hit-by-covid-19-as-schools-and-colleges-are-shut-unesco/402889/>
- [10] Dutta, D. A. (2020). Impact of Digital Social Media on Indian Higher Education: Alternative Approaches of Online Learning during COVID-19 Pandemic Crisis. International Journal of Scientific and Research Publications, 10(5), 604–6011. <https://doi.org/10.29322/IJSRP.10.05.2020.p10169>
- [11] Singhal, S. (2017). 7 ways classroom teaching is better than online education. India Today. <https://www.indiatoday.in/educationtoday/feature/philip/story/classroom-teaching-better-than-online-education-984387-2017-06-23>
- [12] Kundu, Dr. Nath Dey, K. (2018). A Contemporary Study on the Flourishing E-learning Scenarios in India, IJCRT Journal, Volume 6, Issue 02, April, <https://www.researchgate.net/publication/327671945>
- [13] Verma, A., Verma, S., Garg, P., & Godara, R. (2020). Online Teaching During COVID-19: Perception of Medical Undergraduate Students. Indian Journal of Surgery, 8(3), 299–300. <https://doi.org/10.1007/s12262-020-02487-2/Publishedonline:27June2020>
- [14] Singh, D., Gautam, A. S., Patni, B., & Nautiyal, A. (2020). Impact assessment if covid-19 outbreak on higher education in India. International Journal of Management (IJM), 11(9), 429–434. <https://doi.org/10.34218/IJM.11.9.2020.040>
- [15] Shrivastav, S., Singh, P., & Singh, V. P. (2020). Impact of COVID-19 on Education System in India: A Review. ICONIC RESEARCH AND ENGINEERING JOURNALS, 4(1), 1–7. <https://issuu.com/irejournals/docs/ire1702399>
- [16] Bisht, R. K., Jasola, S. and Bisht, I. P. (2020), "Acceptability and challenges of online higher education in the era of COVID-19: a study of students' perspective", Asian Education and Development Studies, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/AEDS-05-2020-0119>
- [17] Moore, J. L., Dickson-Deane, C., & Galyen, K. (2011). e-Learning, online learning, and distance learning environments: Are they the same? The Internet and Higher Education, 14(issue 2), 129–135. <https://doi.org/10.1016/j.iheduc.2010.10.001>



10.22214/IJRASET



45.98



IMPACT FACTOR:  
7.129



IMPACT FACTOR:  
7.429



# INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

Call : 08813907089  (24\*7 Support on Whatsapp)