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Abstract- Our aim was to know the effect of mobile phone during lockdown among students. A total number of 108 students completed the questionnaire. The questions were asked related to mobile phone usage. Students of secondary, Higher secondary and higher education were the sample of the study. Online survey was conducted, finding of the study showed that all students in the study were using mobile phone, majority of students were using their mobile phone more than before the lockdown. During the pandemic they are spending more time on their mobile phone for different purposes like studies, entertainment, for gaming etc. Result of the study also revealed that students are facing problem like eye irritation, neck pain etc.

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Effect of Mobile Phone Usage on Students during the Pandemics Covid-19

Kusum Sajwan Negi [α] & Prof. Sunita Godiyal [σ]

Abstract- Our aim was to know the effect of mobile phone during lockdown among students. A total number of 108 students completed the questionnaire. The questions were asked related to mobile phone usage. Students of secondary, Higher secondary and higher education were the sample of the study. Online survey was conducted, finding of the study showed that all students in the study were using mobile phone, majority of students were using their mobile phone more than before the lockdown. During the pandemic they are spending more time on their mobile phone for different purposes like studies, entertainment, for gaming etc. Result of the study also revealed that students are facing problem like eye irritation, neck pain etc.

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I. Introduction

Appropriate to the ease of access of communication technology, Mobile phone become increasingly significant in everyday life. Due to the Covid-19 pandemic, the whole world understands the importance of Digital Media, Digital learning, and online teaching. Suddenly, the world as a whole comes under lockdown, and the education field rapidly transformed from face-to-face teaching to online teaching. Since the Digital learning speeding up persists, it moreover pitches brightness on Digital break in India. Still, students starting isolated districts and individuals belonging to poor societies, require communications, so this indicates to collect online learning advantages.

Telecom Regulatory Authority of India in their report on 31 January 2021 mentioned that in our country 118.34 crores people owned mobile phones and internet connection reached to 75.74 crores and the ratio of consumer of Delhi is highest in the country. (*Source Amar Ujjala dated 18 March 2021*). Mobile phone possession is virtually all over the place; Secondary, higher Secondary and higher level students and very much of the enlargement in youngster Mobile phone possession has been ambitious by approval with the youths. Every day, latest technologies are being created and nowadays inventions rapidly develop into previous time's reports. Although these technologies confine awareness, include utility and the facility of day by day our life.

As we all know mobile phone users all over the world increasing day by day but after the lockdown imposed in the country and world it became more essential than ever before. Mobile phone became the only tool through which we operates most of our activities like we bought things online we teach and learn by this tool only and many other things. Now it became a boon for mankind because outside there is nothing to do.

Authors conducted online survey among students, pursuing graduation, post graduation, higher secondary and secondary classes.

II. Review of Literature

Aoki and Downes (2004), studied social as well as developmental features on Mobile phone tradition with college students. They recognized numerous attitudinal issues supported on the investigative study counting, essential in modern times, price effectiveness as balanced in landline phone, protection with security and enslavement.

Matthews (2004), fulfilled Australian pubescent do not create in excess of per day 5 calls taking regular and SMS used 85% of their less than 5 times a day. Studies prove femininity correlated variations with youthful users of Mobile phones.

Montgomery (2007), studied latest Digital atmosphere obtainable an excellent collection of potential for statement, interface and information repossession at the sensitive was never previous to presented.

Chen et al. (2007), projected essential of Mobile phones for college students to stay contact through their family. Mobile phones use to complete family responsibilities near allocation their understandings by receiving an emotional and supernatural prop up from their family.

Remya Lakshmann (09April, 2020), has studied how is Covid-19 impacting online education. The countrywide COVID-19 lockdown has compulsory schools and universities to close and more than 91% of the globes student population has online teaching-learning classes at home. The closing has sited exceptional faces on administrations, institutions, professors, faculty, parents and concern contributors throughout the world. The progress to secluded teaching learning has been facilitated by some online method likely Google

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classroom, digital blackboard, Zoom and Microsoft Teams, YouTube etc every one of vital role in this renovation.

Ankita Sharma (09 May, 2020), has calculated digital health in the consequences of Covid-19. For the first time, government of India is permitting Indian Universities to recommend an online degree as formerly be restricted to foreign Universities. Nowadays, 20% to 100% courses motivate and expand the entrance to higher education by online platform.

Subjected to Literature review, subsequent two research questions were raised in this study:

RQ1: Are students using Mobile phones?

RQ2: How many hours they spent on their Mobile phone before the lockdown and during lockdown?

III. Methodology

Online survey was conducted through Google form. To determine the level of engagement of Students towards their mobile phone during the pandemic. Researchers sent questionnaire to many students and got responses from the students produced suitable sample. Authors tested to confine a model that is a truthful demonstration of the persons pretentious by Mobile phone usage. A sample of students (Graduate, Post Graduate and Others) is preferred. Here 108 retorts from online inspection queries were deliberate to presume Mobile phone routine, purpose of use Mobile phones and time using before, during the Covid-19 lockdown period. Also, problem facing by students while using Mobile phone. Authors found number of comments of students regarding the Mobile phone usage.

Here online survey consists of *10* Questions and got *108* responses from students. Majority of students that is (*100* percent) owned a Smartphone. We have discussed online survey questions as following:

Objective: To know the mobile phone usage by students during the lockdown period.

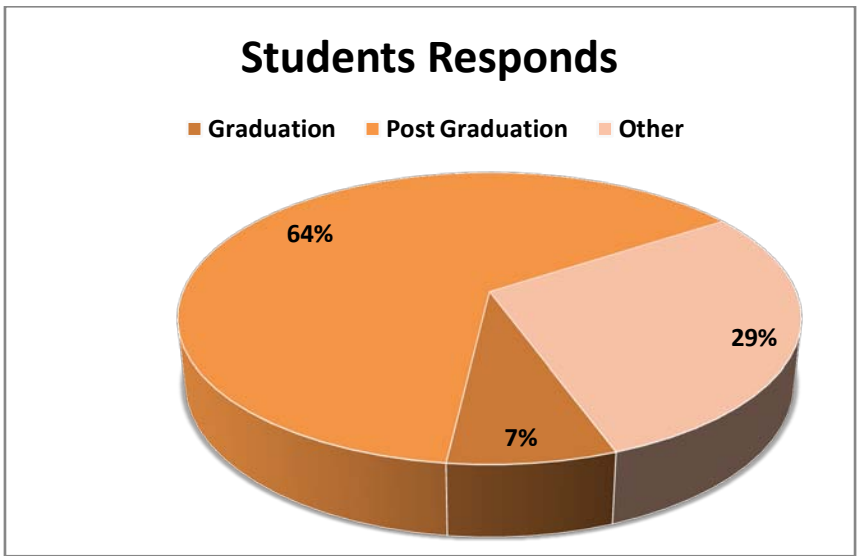
Here, first five questions were related to student's information likely: 1. Name, 2. Mobile number, 3. E-mail address, 4. Mobile phone usage and 5. Name of their respective College/Institutions (*HNBGU-SRT Campus Tehri, Beehive College Dehradun, Doon University Dehradun, NIT Kurukshetra, Vivekananda Sankul high school Sanpada, Mumbai. K.V.F.R.I. Dehradun and GIC Maujkhal Rudraprayag uttarakhand*). The total numbers of students were 108 (One hundred eight). The interpretation of question six to ten is following:

Question 6: Your Qualification?

Table 1: Students Qualification.

Answer	Students Responds
Graduation	69 (63.89%)
Post Graduation	08 (7.41%)
Other	31 (28.70%)
Total	108

Note: All figures in parenthesis represent percentage.



Graph 1: Students Qualification.

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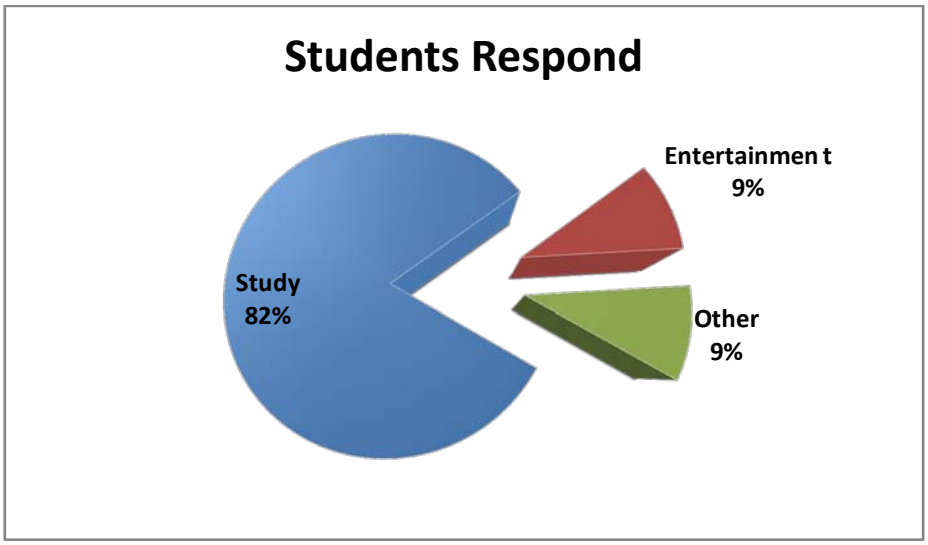
Table-1 and graph-1, showed the qualification of students, in which 64% students were graduate, 7% postgraduate and 29% others students.

Question 7: For what purpose do you use Mobile phone the most?

Table 2: Purpose of use Mobile phone the most

Answer	Students Responds
Study	88 (81.48%)
Entertainment	10 (9.26%)
Other	10 (9.26%)
Total	108

Note: All figures in parenthesis represent percentage.



Graph 2: Purpose of use Mobile phone the most

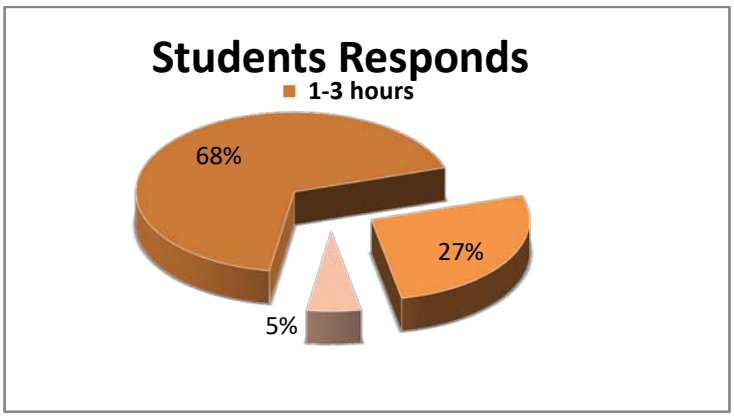
Table-2 and graph-2, revealed that most of students that is 82% were using mobile phone for studies, 9% students using mobile phone for Entertainment and 9% using mobile phone for other things.

Question 8: How many hours you spent on your Mobile phone before lockdown?

Table 3: Hours spent on Mobile phone before lockdown

Answer (Time)	Students Responds
1-3 hours	73 (67.59%)
3-5 hours	29 (26.85%)
More than 5 hours	06 (5.56%)
Total	108

Note: All figures in parenthesis represent percentage.



Graph 3: Hours spent on Mobile phone before lockdown

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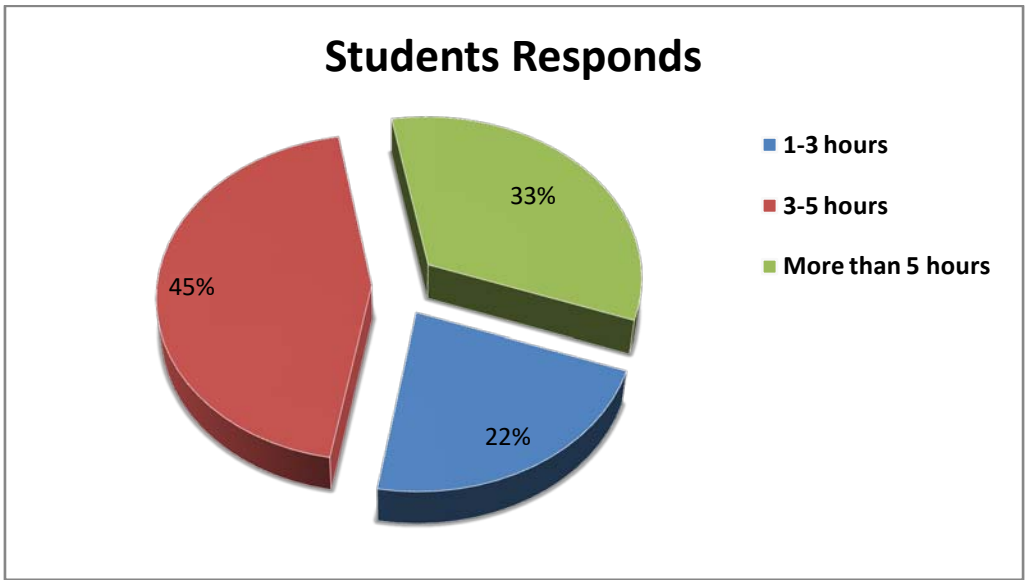
According to the table-3 and graph-3, most of the students 68% were using their mobile phones 1-3 hours before the lockdown, followed by 27% in 3-5 hours and 5% of the students were using their mobile phone in more than 5 hours.

Question 9: How many hours you are spending on your Mobile phone during the lockdown period?

Table 4: Hours spending on Mobile phone during the lockdown period.

Answer(Time)	Students Responds
1-3 hours	24 (22.22%)
3-5 hours	48 (44.44%)
More than 5 hours	36 (33.34%)
Total	108

Note: All figures in parenthesis represent percentage.



Graph 4: Hours spending on Mobile phone during the lockdown period.

Table-4 and graph-4, showed that only 22% students were using their mobile phones for 1-3 hours, 45% in 3-5 hours and 33% of the students were using their mobile phone in more than 5 hours. From the table and graph it can clearly observed that after imposed the lockdown in the country the mobile phone usage by students increased.

Question 10: What type of problems you are facing to use Mobile phone.

Table 5: Type of problems you are facing to use Mobile phone

Answer	Students Responds
Eye irritation	57 (52.78%)
Pain in shoulders	05 (4.63%)
Neck pain	08 (7.41%)
Other	38 (35.18%)
Total	108

Note: All figures in parenthesis represent percentage.

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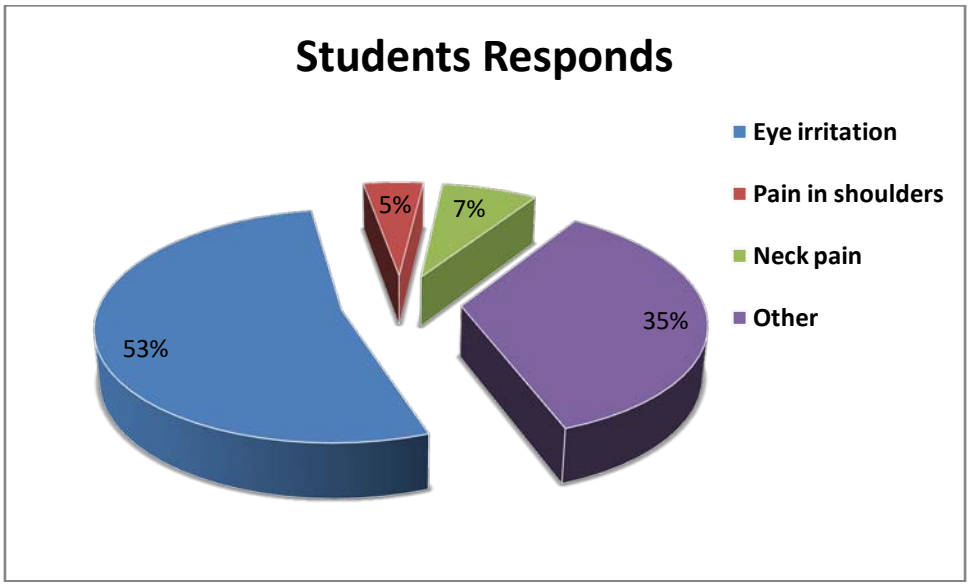

Graph 5: Type of problems you are facing to use Mobile phone

According to the table-4 and graph (4.10.1), 53% students showed Eye irritation due to the use of mobile phone, 5% Pain in shoulders, 7% Neck pain and 35% other (Stressed, disconnected, alone etc.).

IV. Findings of the Study

1. All students were using Mobile phone.
2. The time of spending on Mobile phone increased during the lockdown.
3. Most of students are facing many problems like eye irritation and neck pain etc due to excessive use of Mobile phone.
4. Majority of students are using their mobile phone for studies because they are at Home. Mobile phone is very helpful for them to study in proper way.

V. Comments of Students

What time invited some comment about the topic, students granted number of reactions. One student said, *"Using mobile phone is good for our entertainment but as now a day we are spending more time on mobiles it's not good for our health". While another* student simply claimed: *"I cannot study by phone"; "I am facing no issue while using mobile phone"; "It is useful but has some side-effects also".*

Again, some students gave the nice comments that *"Full enjoy in lockdown my mobile was my strength during Covid-19"; "Only use mobile for study and Learning many things"; "During this pandemic mobile phones are very much useful to study"; "Colleges should be start soon because I am using phone excessively sometimes for studies sometimes for entertainment due to which I am having eye sight problems".*

VI. Conclusion

Online survey exposed that there are some negative possessions related to Mobile phone. As finding of the study showed that many students have eye irritation, many had neck pain and shoulder pain. Authors have also found that most of people are using their mobile phone for their studies and because of lockdown due to pandemic they are at home so their studies are totally online based so it is necessity of the time to use mobile phone but some students said that they use for entertainment and for time pass. On the basis of the answers of the students we can say that the tendency of using mobile phone is increased during this period because they can't go out so they all are depend on their mobile phone only.

To conclude we can say that, in the current situation mobile phone is very helpful as students can learn from their homes only and they can achieve their goals without stepping out, but extreme use of the Mobile phone can harm us. So we should use it in limit and in proper manner.

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