

CASE STUDY: Online Learning Programme during Pandemic outbreak COVID 19 through Management System Google Classroom at Private School

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ABSTRACT:

This research paper presents a case-study of the (learning management system) Google Classroom in a private school of Nawabshah. This case study is used to understand the thoughts, feelings, and attitudes of the teachers towards using Google Classroom during the COVID-19 outbreak. This study focused on teachers' perception of using technology for the continuity of educational activities during pandemic outbreak COVID19 at a private school Nawabshah campus. To achieve this objective, survey is taken from teachers of that school. Qualitative structured questionnaire is filled by teachers who have implemented Google Classroom during COVID 19. Results after analyses identifies that Google classroom is the best tool to promote learning activities. The responses of the teachers indicate that lack of user-friendly interface is the main reason for its inefficiency.

Key words: *Education, Technology, Google Classroom, Pandemic outbreak (COVID 19).*

OBJECTIVES:

- To evaluate the teaching learning management system (Google classroom) during COVID-19,
- To know the worth and problems of teaching and learning through Google classroom during COVID 19.

INTRODUCTION:

In Pakistan the trend of online classes is less effective. Before corona virus learning and teaching is commonly running in Pakistan in classrooms. Technology is not much applied in the institutions because Pakistan is an under develop country.

In the history of Pakistan this is first time trend of online classes is introduced in some institutions due to COVID 19. The implementation of online classes is difficult due to lack of trained staff in schools specially, because mostly it is observed that teachers teaching in Pakistan are understudies. They are almost fresh graduates or master's students having private degree. Because of private learning most of the teachers are not familiar with extensive use of technology (Kumar, J. A., Bervell, B., & Osman, S. (2020)). The big problem in implementing online classes appropriate use of technology and technical handling of hardware. It is the big fault of Pakistani nation in 21st century the era of technology, we still need much more efforts to approach the requirement of building nation in any situation. In universities of Pakistan IT Department is working but still there is no production of any fruitful teaching methodologies in case of close schools like present situation of COVID 19. All schools, colleges and universities are closed due to improper technological Educational progress. Teachers are unable to teach during this pandemic situation except some schools. Those schools included in private category while if we look at Government schools there is no proper planning and strategies used to enhance the teaching and learning during COVID 19 (Uno, L. (2016)).

In this difficult time a private school implement online teaching in school by the efforts of information technology experts. First, they plan a training regarding the use of technical equipment's and their handling, and the proper use of application named Google class for their teachers of grade Montessori to onward matric class (Tanveer, M., Bhaumik, A., & Hassan, S. (2020)).

Google Classroom is one amongst the goods from Google which was launched in 2014 through Google Apps for Education (GAFE). Consequently, for creating nations, the most proper innovation dominance approach is building ingestion capacity through mechanical change endeavors in the feeling of getting the hang of, modifying, and conceivably, improving accessible innovation (Malhotra, M. (2020)). One of the best methods of acing this innovation is through presenting innovation in the realm of training. Education is the procedure of human arrangement through the direction and guidelines. The instances of basic advancements utilized are writing boards, genuine articles, outlines and other basic models (Zhang, M. (2016)).

The Google Classroom software has blessings, which include unfastened to use, smooth to apply for each teachers and college students due to the appearance and use of social media (Facebook, Twitter), and included with other Google programs, together with Google Form, Google Drive, Google Doc, Google Slides, You Tube, and others. Getting to know out of doors the lecture room is finished using an internet platform containing mastering fabric and learning films that provide opportunities for students to take a look at material before the material is taught and increase students' capacity to research independently. In the learning phase outside the classroom, researchers use online platforms or also called Learning Management Systems (LMS). LMS consists of several types, namely Moodle, Schoology, Google Classroom, Edmodo **(Dodson, H. E. (2020)).**

Onlinelearning is trending now days in all countries where virus COVID19 is spreading. In this severe condition of spreading harmful virus people locked at their home like prisoners. Due to unstable situation of present time Education is stop for little time but as time passes the Education becomes difficult to continue. Nobody knows how much time is required to completely distinct this virus. Before it also happens in the time of Prophet Muhammad P.B.U.H because many hadith related to this pandemic is present. But that time technology was not in used like present era. So, we have many resources to continue Education by the help of technology. In this paper we have focused on Google classroom to continue teaching and learning in a private school of Nawabshah Pakistan.

According to the existing literature lack of gadgets like Mobile Phone and laptop is the most difficult thing to run google classroom, because most of the students do not have access to these devices. Due to this problem it's not easy to run online teaching and learning for all students. The main problem is the availability of gadgets and also give training about its use. Because it is most important to know the basic use of google class. If teachers and students are not trained, they are not able to handle the technical equipment's. They must be familiar with the appropriate use of technology specially, about the application for teaching and learning google classroom. They must have command on how to develop account and make ID's for google class room. The process of adding and removing assignments and homework and to establish the feedback for students **(Sudarsana, I. K., Putra, I. B. M. A., Astawa, I. N. T., &Yogantara, I. W. L. (2019, March).** Google class is actually useful for the implementation of teaching methodologies out of class. As we know that it is very difficult to run class without the presence of students. Teachers feel it difficult to teach out of class through devices like laptop and mobile phones. The response is not observed in absence of student, teaching

through devices it is not easy to observe the proper response of students. (Kumar, J. A., Bervell, B., & Osman, S. (2020).

CHALLENGES FACED BY TEACHERS IN ONLINE GOOGLE CLASS:

Many challenges faced by teacher in running google classare as follows;

1. Lack of time for the planning of subject material
2. Pressure of administration
3. Expectations of parents and their support

Lack of Time forThe Planning of Subject Material:

The situation is challenging in present era, teachers need proper planning for online teaching. They need to do lots of paper work before going online. Time is the essential thing because if teacher is setting a time limit for online classes it is necessary for students to manage time accordingly. For teacherit is not easy to give whole day for teaching because teachers are also the part of society and they live their life as common people(AI-Marroof, R. A. S., & Al-Emran, M. (2018).They have social relations and requirements to fulfil, if teacher is teaching 3-4 subjects daily. They need to plan for these subjects before going online, with their social life teachers need to maintain their routine according to their required presence.

Pressure of Administration:

The pressure of administration on teacher for the purpose of student performance is very inconvenient. Teachers put their effort in developing study skills in students but out of class it's a big challenge to face, because teachers are not handling students face to faceAwang, H., Osman, W. R. S., &Aji, Z. M. (2018).Sometime students are not able to tell the things that are not understandable. As teacher have experience of teaching and observing student in classroom, students themselves not able to make sure what problems they have to understand the online learning. It is very difficult to handle students out of class and make sure about the performance of students and prepare their report of progress.

Expectations of Parents and Their Support:

Participation of parents is necessary in students' online learning because if students do not have idea of using device like laptop and mobile, students are unable to learn due to lack of awareness regarding handling of technical equipment. Parents support is one of basic thing if parents are educated they can handle these problems easily and drive their solution for the successful approach of their children. In case parents are uneducated they are not able to make the use of technology and couldn't provide their children this modern learning

strategies. So, for the implementation of these technical methods of teaching and learning it is necessary to have command on technical equipments and students must have background who can easily support their child at home.

While online teaching and learning parents' expectations are high. Specially educated parents who are supporting their children rather than parents who do not know about these things.

METHODOLOGY OF THE STUDY:

The qualitative methodology which makes use of surveybased on ten short questions included demographic information filled by 20 teachers of a private school junior and senior sections. Contextually analyzed the responses filled by teachers.

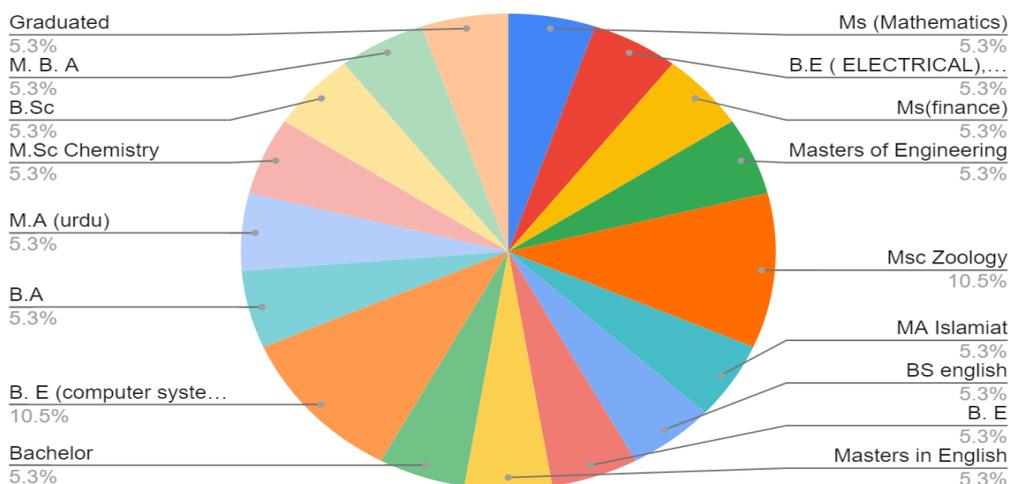
This paper presents the worth of online learning programmed through (learning management system) Google class.

RESULTS AND DISCUSSION:

Demographically it is observed that maximum qualification of teachers is master's degree and minimum qualification is bachelors. 50% of teachers have teaching experience of five years while 25% teachers having above 5 years and 25% having above 10 years of teaching experience. 75% teachers are well equipped and 25% do not have any course and training related to technology.

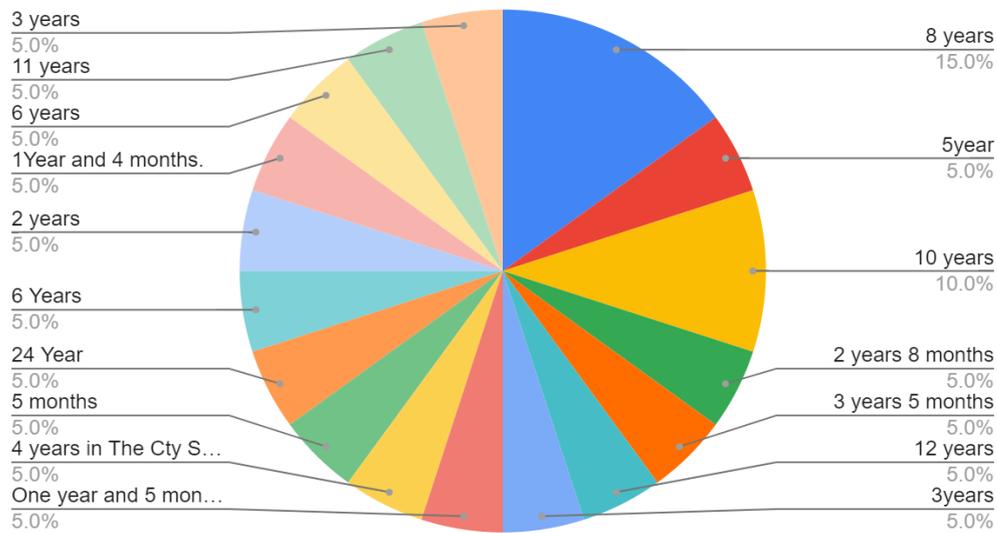
Graph :1.1

Qualification of Teachers



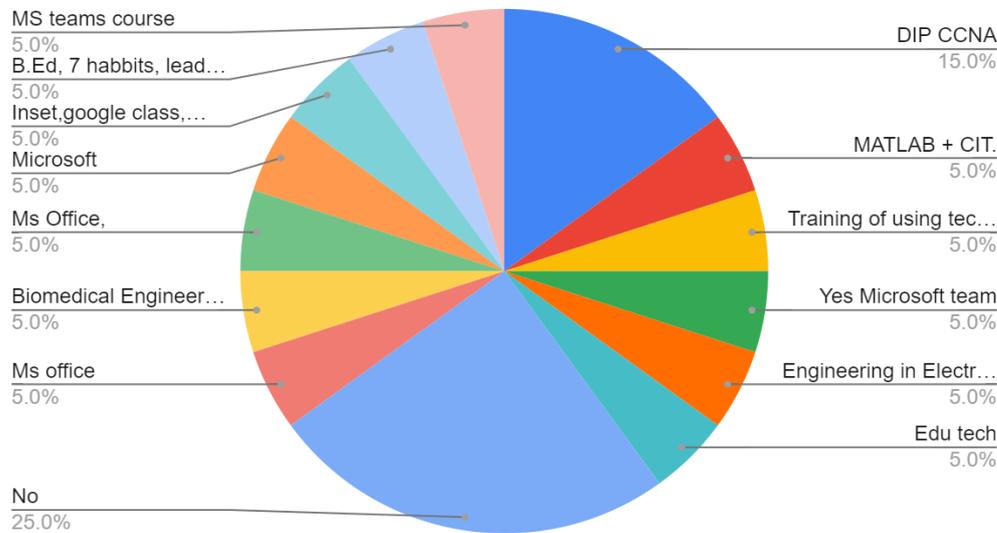
Graph :1.2

Teaching Experience (how many years, months)



Graph :1.3

Any Course / Training of Using Technology

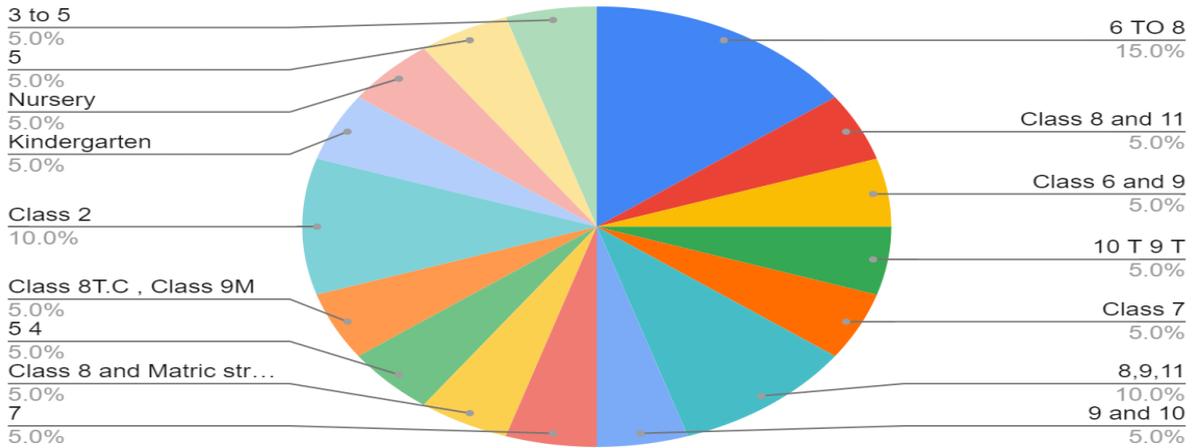


Survey questions asked by the teachers and their responses with contextual explanation are given below:

Graph :1

According to submitted responses teachers are teaching class kindergarten to onward matric classes.

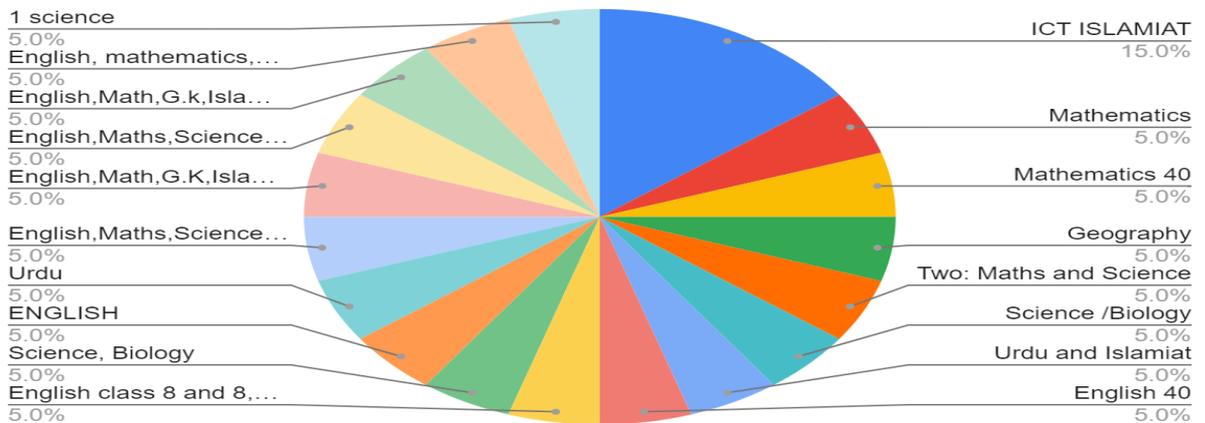
Q1: Which grades/classes you are teaching through Google class, mention class names?



Graph :2

English, Math and science is more focused and other subjects are also preferred according to time schedule.

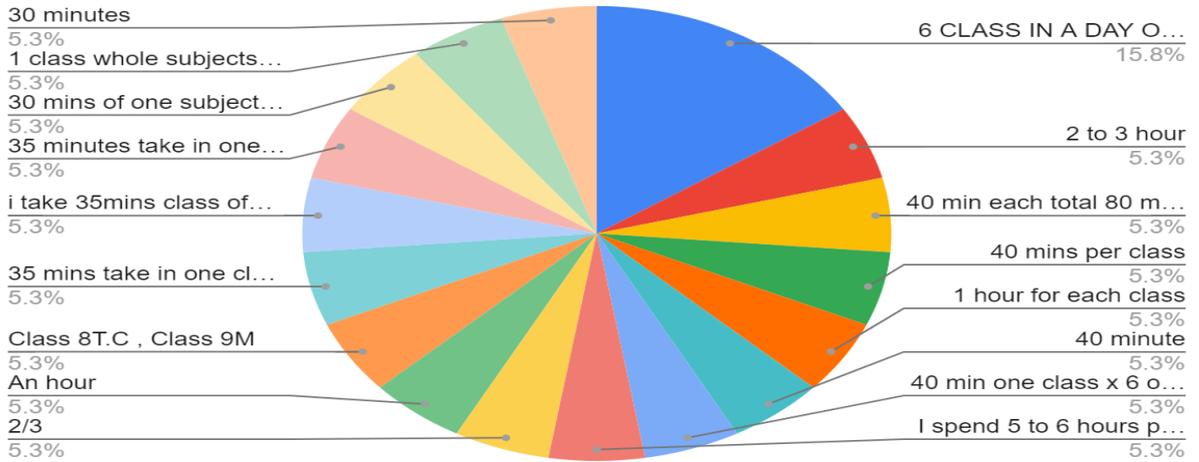
Count of Q2: How many subjects you are taking, mention subject names?



Graph :3

Most of the teachers spend 1-2 hours daily for their subjects, in which maximum time given to one class is near about 35-40minutes of selected time as per their timetable. It is also observed that 5%of teachers spend 3-5 hours because of their extra subjects.

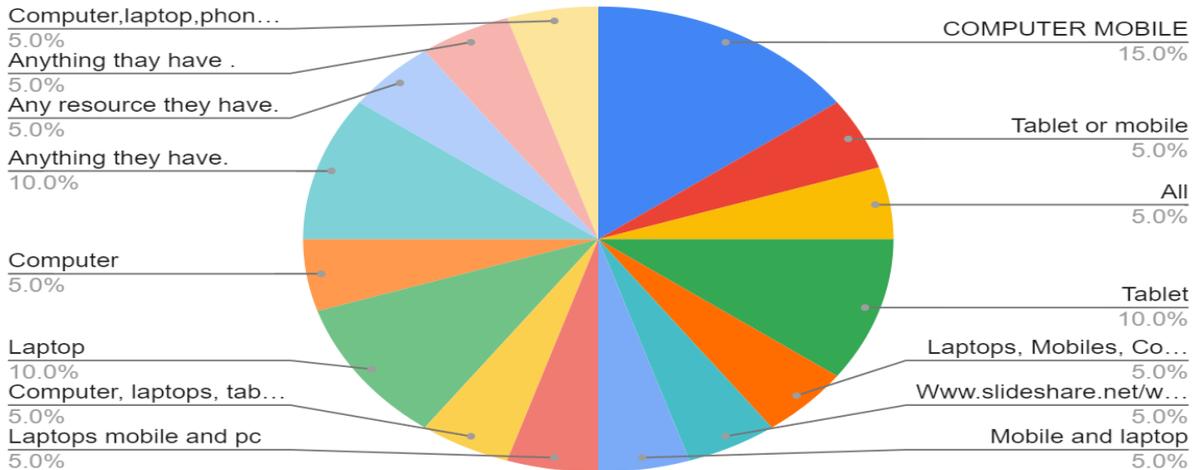
Count of Q3: How much time you spend to take one class of one subject or you take multiple classes at a time in the whol...



Graph :4

PC, Laptop, Tablet and Mobile phones are the mostly used devices by students for their online class.

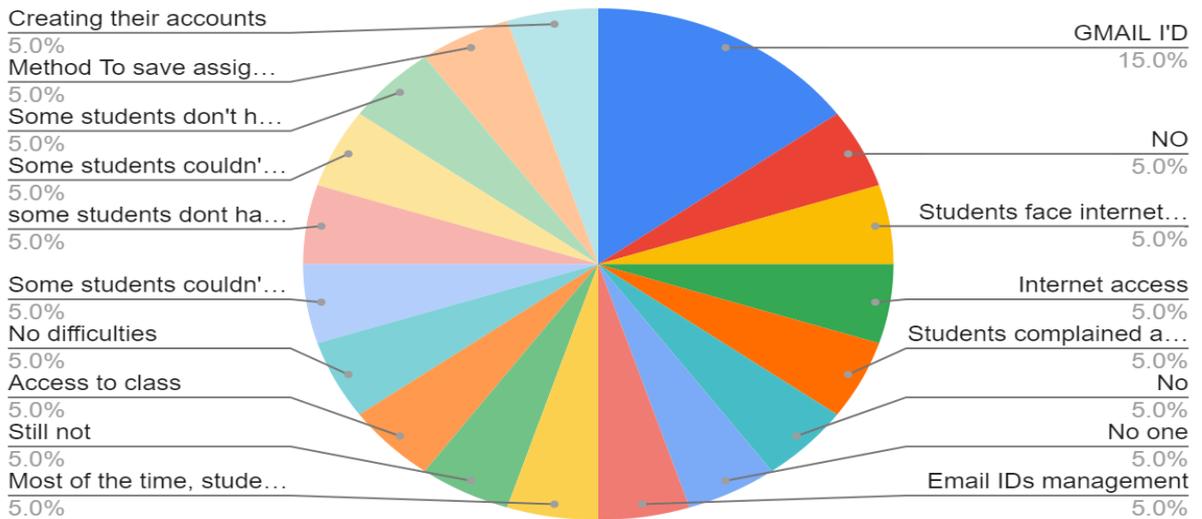
Count of Q4: How does your student access the internet outside school hours, mention resources like computer/tablet...



Graph :5

Difficulties faced by the teacher to bring students in google class are ID's management, internet problem, access to class and electricity issues. Only 5% of teachers do not have difficulties because of their trainings and technical commands.

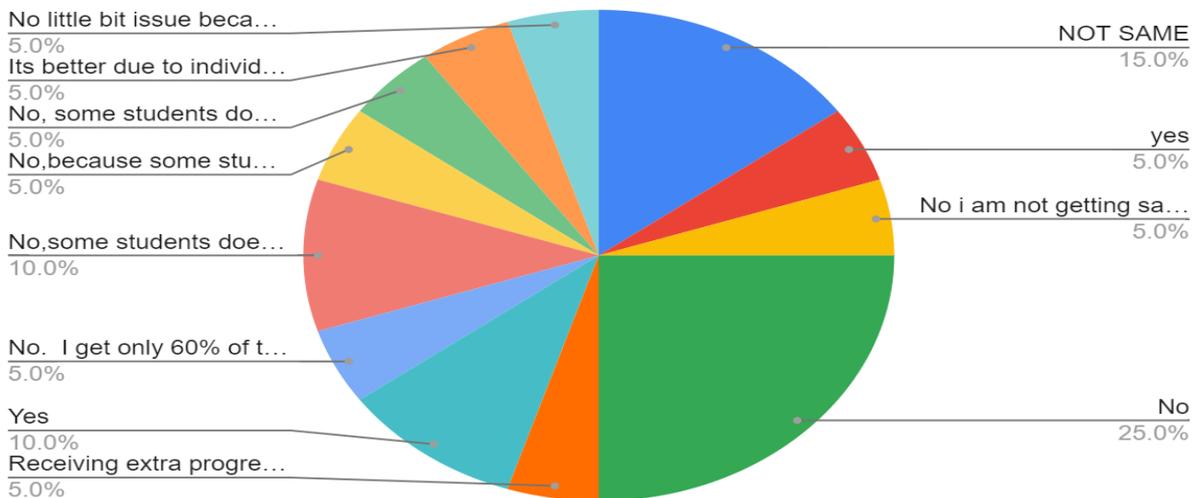
Count of Q5: What difficulties you faced to bring students in google class?



Graph :6

Most of the teachers are not getting the progress of students like inside the class while little ratio of the teachers getting extra progress because of the interest of students towards technology.

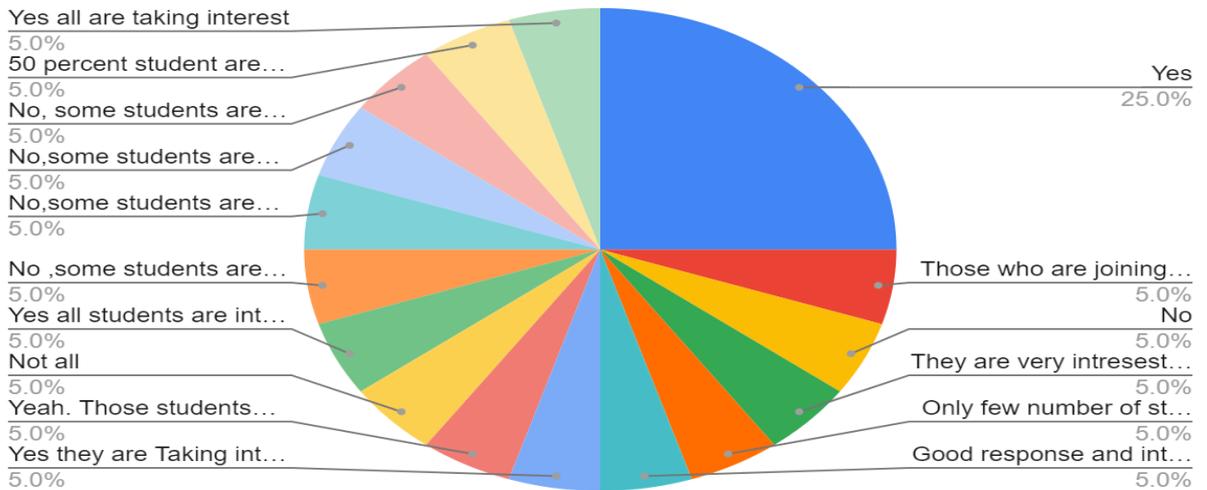
Count of Q6: During this situation of pandemic outbreak COVID 19 , Are you getting the same progress of students through G...



Graph :7

As per the opinion of teachers not all students are taking interest in online learning. Only 50% or less students are interested because of the motivation by their family background.

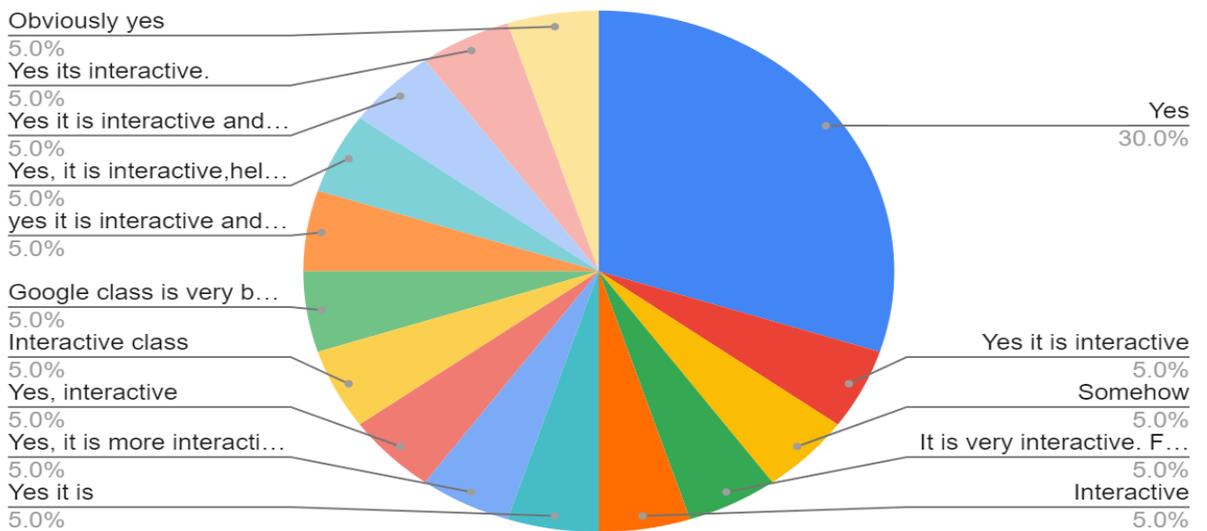
Count of Q7: What do you think about student's response to google class, are all students responding or taking an interest?



Graph :8

Most of the teachers thought that learning through Google classroom is interactive and can enhance learning abilities of the students.

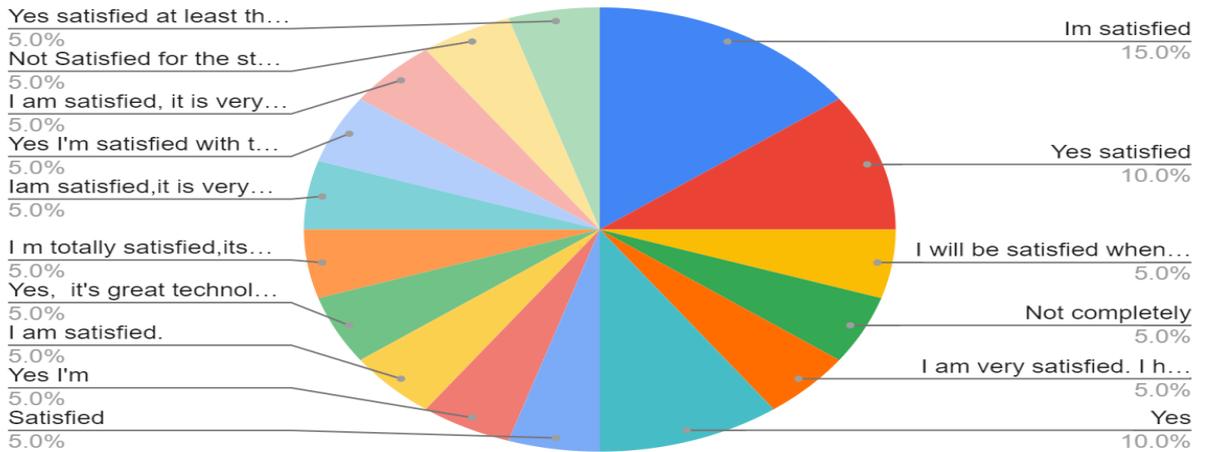
Count of Q8: Learning through Google class is interactive for students or not?



Graph :9

Teachers are satisfied by teaching through Google class but due to unresponsive behavior of community some teachers said they are not satisfied.

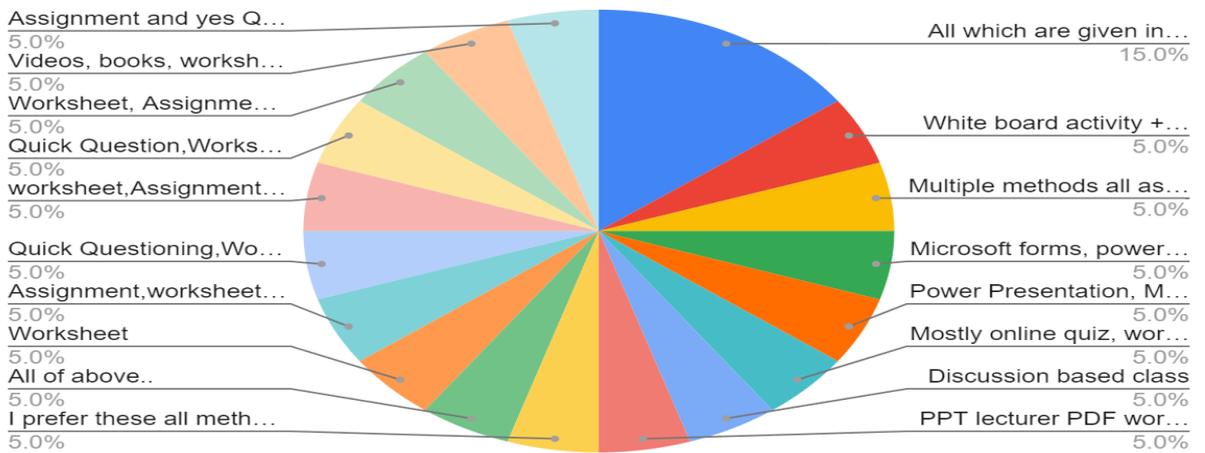
Count of Q9: As a teacher, Are you satisfied or not with teaching through Google class?



Graph :10

Teachers are using almost all the features of Google classroom. Maximum use of white board for math's, quick quizzes and worksheet. Senior teachers used discussion method for theoretical concept development subjects.

Count of Q10: Which method you used during Google class lecture, feedback, Assignment, Worksheet, Quick questionin...



FINDINGS:

Findings indicate that qualification of teachers start from graduation in computer systems, English and Education. While some of the teachers has master's degree in English, Chemistry, Islamiat, Urdu, Mathematics, Business Administration, Zoology and Finance.

As per collected data teaching experience of teachers are between 5-10 years and 3-5 teachers are most seniors having experience of teaching 11-12years and 24years.

To operate Google classroom teachers has following courses DIP CCNA, MATLAB, CIT, Edu tech and MicrosoftOffice.

According to submitted responses teachers are teaching class kindergarten to onward matric classes. The names of subject teaching are English, Math and science is more focused and other subjects are also preferred according to time schedule.

Most of the teachers spend 1-2 hours daily for their subjects, in which maximum time given to one class is near about 35-40minutes of selected time as per their timetable. It is also observed that 5%of teachers spend 3-5 hours because of their extra subjects. PC, Laptop, Tablet and Mobile phones are the mostly used devices by students for their online class.

Difficulties faced by the teacher to bring students in google class are ID's management, internet problem, access to class and electricity issues. Only 5% of teachers do not have difficulties because of their trainings and technical commands. Most of the teachers are not getting the progress of students like inside the class while little ratio of the teachers getting extra progress because of the interest of students towards technology.

As per the opinion of teachers not all students are taking interest in online learning. Only 50% or less students are interested because of the motivation by their family background. Most of the teachers thought that learning through Google class is interactive and can enhance learning abilities of the students.

Teachers are satisfied by teaching through Google class but due to unresponsive behavior of community some teachers said they are not satisfied. Teachers are using almost all the features of Google classroom. Maximum use of white board for math's, quick quizzes and worksheet. Senior teachers used discussion method for theoretical concept development subjects.

CONCLUSION:

The paper includes understanding into how generally modest and effectively open PC programming can be embraced at the tertiary level for confined and proper understudy focused learning. A remarkable result of this potential reception is the fruitful dispersion of the innovation, specifically Google Classroom. It is at long last presumed that absence of easy to use interface is the primary purpose behind its wastefulness.

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