

# APPENDIX

## Questionnaire for Mathematics Teachers

Title:

### User-Friendliness of E-Learning Tools/Applications in Teaching Mathematics Online

**NOTE:**

1. This Questionnaire is to be filled by Mathematics Teachers only.
  2. Please consider the last one year of your teaching Mathematics in COVID-19 period while filling this questionnaire.
  3. The information/responses will be confidential and will solely be used for research purpose only.
  4. You may choose/comment in "Other" option, wherever applicable/necessary. Please fill it honestly.
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**Please fill your details –**

1. Email address \_\_\_\_\_
2. Name of the Teacher \_\_\_\_\_
3. Mobile Number \_\_\_\_\_
4. Gender -
  - Female
  - Male
  - Transgender
5. Age \_\_\_\_\_
6. Name of the School \_\_\_\_\_
7. Location of the School -
  - Urban
  - Semi-Urban
  - Rural
  - Tribal
  - Other \_\_\_\_\_
8. Designation –
  - PGT (Mathematics)
  - TGT (Mathematics)
  - PRT
  - Other \_\_\_\_\_

9. Teaching Experience (in years) \_\_\_\_\_
10. Educational Qualification \_\_\_\_\_
11. Which Classes do you teach? \_\_\_\_\_
12. Nature of Appointment –
- Permanent
  - Temporary
  - Part-time
  - Daily Wages

## About Online Teaching

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**NOTE:**

For different purposes, various tools/applications are listed in following items/questions. Kindly reply to as many tools/applications as you have used and their user friendliness along with the used tools after every question. If you have not used any tool then mark on "Never used". Keep this in mind while responding the items/questions.

- On which tool/application(s) do you take the online classes to teach Mathematics?
  - Google Meet
  - Microsoft Teams
  - Cisco Webex
  - Zoom
  - Cisco Jabbar
  - Skype
  - School made Website/Application
  - Other \_\_\_\_\_
- According to you, how user friendly is the tool/application(s) with you while teaching online?

Sr. No.	Online Platform	Never used	Difficult	Moderate	Easy
1	Google Meet				
2	Microsoft Teams				
3	Cisco Webex				
4	Zoom				
5	Cisco Jabber				
6	Skype				
7	School made Website/Application				

3. Which tool/application(s) do you use to prepare the powerpoint presentations to deliver lesson in the online Mathematics class?

- MS Powerpoint
- Google Slides
- Prezi
- H5P
- I do not make powerpoint presentations to teach mathematics
- Other \_\_\_\_\_

4. According to you, how user friendly is the tool/application(s) with you while preparing the powerpoint presentation?

Sr. No.	Online Platform	Never used	Difficult	Moderate	Easy
1	MS Powerpoint				
2	Google Slides				
3	Prezi				
4	H5P				

5. Which tool/application(s) do you use to pool or present directly the powerpoint presentations to deliver lesson in the online Mathematics class?

- Slideshare
- Slideplayer
- Scribid
- I do not pool or present anyone else's made presentation
- Other \_\_\_\_\_

6. According to you, how user friendly is the tool/application(s) with you while pooling or presenting the presentations?

Sr. No.	Online Platform	Never used	Difficult	Moderate	Easy
1	Slideshare				
2	Slideplayer				
3	Scribid				

7. From which tool/application(s) do you take out the content to teach mathematics?

- Textbook
- Reference books
- Google Search/Random Websites
- Blogs
- Pinterest
- I do not refer content from anywhere, I know everything
- Other \_\_\_\_\_

8. According to you, how user friendly is the tool/application(s) with you while taking out the content?

Sr. No.	Online Platform	Never used	Difficult	Moderate	Easy
1	Google Search/ Random Websites				
2	Blogs				
3	Pinterest				

9. On which tool/application(s) do you provide the content of Mathematics that you teach, for the learners?

- Whatsapp
- Google Classroom
- Edmodo
- Telegram
- MS Teams
- Schoology
- Moodle
- School made Website/Application
- Other \_\_\_\_\_

10. According to you, how user friendly is the tool/application(s) with you while providing the content?

Sr. No.	Online Platform	Never used	Difficult	Moderate	Easy
1	Whatsapp				
2	Google Classroom				
3	Edmodo				
4	Telegram				
5	MS Teams				
6	Schoology				
7	Moodle				
8	School made Website/Application				

11. From which tool/application(s) do you take the images to show some concept to students for teaching mathematics?

- Google Search images
- Flickr
- Picasa
- Text book images (I click photos from text book and show it to students)
- I create images (draw/clicking snaps) myself
- I do not share images while teaching mathematics
- Other \_\_\_\_\_

12. According to you, how user friendly is the tool/application(s) with you while taking out the images?

Sr. No.	Online Platform	Never used	Difficult	Moderate	Easy
1	Google Search images				
2	Flickr				
3	Picasa				

13. From which tool/application(s) do you bring the videos to show some demonstration to students while teaching mathematics?

- Youtube  
 Teachertube  
 Self made videos  
 I do not share videos to teach mathematics  
 Other \_\_\_\_\_

14. According to you, how user friendly is the tool/application(s) with you while bringing/showing the videos?

Sr. No.	Online Platform	Never used	Difficult	Moderate	Easy
1	Youtube				
2	Teachertube				

15. On which tool/application(s) do you discuss the students' doubts or problems after teaching mathematics online?

- Forums like facebook pages  
 Whatsapp  
 Telegram  
 Google Classroom  
 Discussion boards  
 Along with the other tools, I also discuss doubts/problems in online class  
 I do not take any session other than my class and I discuss doubts during the class only  
 Other \_\_\_\_\_

16. According to you, how user friendly is the tool/application(s) with you while discussing the doubts/problems?

Sr. No.	Online Platform	Never used	Difficult	Moderate	Easy
1	Forums like facebook pages				
2	Whatsapp				
3	Telegram				
4	Google Classroom				
5	Discussion boards				

17. On which tool/application(s) do you collect and analyze students' assignments of Mathematics?

- Google Classroom
- Whatsapp
- School's website/application
- Microsoft Teams
- Google Forms
- I do not give assignments to students for submission
- Other \_\_\_\_\_

18. According to you, how user friendly is the tool/application(s) with you while collecting and analyzing the assignments?

Sr. No.	Online Platform	Never used	Difficult	Moderate	Easy
1	Google Classroom				
2	Whatsapp				
3	School's Website/Application				
4	Microsoft Teams				
5	Google Forms				

19. On which tool/application(s) do you take quizzes/tests of mathematics?

- Quizlet
- Kahoot
- Socrative
- Google Forms
- Poll Everywhere
- Flipgrid
- H5P
- Testmoz
- Other \_\_\_\_\_

20. According to you, how user friendly is the tool/application(s) with you while preparing and analyzing the quizzes/tests?

Sr. No.	Online Platform	Never used	Difficult	Moderate	Easy
1	Quizlet				
2	Kahoot				
3	Socrative				
4	Google Forms				
5	Poll everywhere				
6	Flipgrid				
7	H5P				
8	Testmoz				

21. Which tool/application(s) did you use to demonstrate activities/concept like Graphs (Algebra and Statistics), Geometry, Number system, etc. while teaching Mathematics online?

- Geogebra
- Online Abacus
- GraphCalc
- Maxima
- I demonstrate through Handmade TLM (in online class through video/by creating a video of my own)
- I just teach them the concept without any activity
- Other \_\_\_\_\_

22. According to you, how user friendly is the tool/application(s) with you while you demonstrate the activities/concept through it?

Sr. No.	Online Platform	Never used	Difficult	Moderate	Easy
1	Geogebra				
2	Online Abacus				
3	GraphCalc				
4	Maxima				

23. From where did you learn these tools/applications for the first time?

- Self Training
- School conducted training workshops
- Tutorials inside the tools
- Youtube tutorials
- Someone's help
- Without any training or help (by experience and practice)
- Other \_\_\_\_\_

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**Thank you for your timely response! Have a great day!  
Stay Safe! :)**

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