

**SIES COLLEGE OF ARTS, SCIENCE & COMMERCE, (AUTONOMOUS)  
SION (WEST) MUMBAI: 400022**

**2.3.2 TEACHERS USE OF ICT ENABLED TOOLS INCLUDING ONLINE RESOURCES  
FOR EFFECTIVE TEACHING AND LEARNING**

During the academic year 2021-22, the teaching – learning process was in hybrid mode. Except second year students, all other students of first year, third year and MSc. attended offline college. Overall, the teachers made optimum use of ICT tools, techniques and online resources to make the teaching learning process interactive at offline as well as online levels. Lectures and practicals were conducted through MS Teams for Second year students. Occasionally, Zoom and Google Meet were also used for the same. ICT tools like laptops, desktops, mobile, writing tablets were used extensively for teaching even in offline mode. A few teachers also used LCD, CD, DVD, etc. Further, the extensive use of ICT tools and techniques like Google docs, Google sheets and powerpoint presentations helped to develop collaborative teaching – learning approaches. Google classrooms, Google Drive, MS Teams classrooms and OneDrive were used primarily to share the study materials and reference materials with the students and also for assignment submissions. To make the teaching – learning process more interesting, interactive and engaging, the teachers made use of some special ICT tools like Mentimeter, Quizizz, Kahoot, etc. As far as the use of e-resources and techniques were concerned, teachers used You-tube videos, online portals, e-library, INFLIBNET, Shodhganga, Blogs, National Digital Library, NCBI, NPTEL. A few teachers also developed their own e-content and used it for teaching. Virtual laboratories were reportedly used for SYBSc students to make the practicals interesting and interactive. e-PG Pathshala was used to facilitate the students pursuing higher education (PG level). The teachers made extensive usage of Google Scholar, Pubmed, Research Gate, Science Direct, etc. to develop interest amongst students about research and to make them aware about the process of writing, reviewing and publishing their research papers/ articles. Google Forms or MS Forms were used for student assessment at online levels.



*Suman*

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| <b>ICT Tools &amp; Techniques Used = 22</b> |                                    | <b>E-Resources Used = 16</b> |  |
|---|------------------------------------|------------------------------|--|
| 1   | Laptop                             | 1                            | E - library  |
| 2   | Desktop                            | 2                            | INFLIBNET  |
| 3   | LCD Projector                      | 3                            | Shodhganga   |
| 4   | Personal Tablet                    | 4                            | Blogs  |
| 5   | Pen Drive                          | 5                            | National Digital Library   |
| 6   | Smart Phone                        | 6                            | NCBI   |
| 7   | CD                                 | 7                            | You Tube Videos  |
| 8   | DVD                                | 8                            | Online Portals & Web Articles  |
| 9   | MS Teams Meeting App               | 9                            | Google Scholar   |
| 10  | MS Teams Classroom                 | 10                           | PubMed   |
| 11  | MS Whiteboard                      | 11                           | Virtual Laboratories   |
| 12  | Openboard                          | 12                           | Research Gate  |
| 13  | MS Forms                           | 13                           | Science Direct   |
| 14  | OneNote                            | 14                           | NPTEL  |
| 15  | MS office (Word, Excel Powerpoint) | 15                           | e-PG Pathshala   |
| 16  | Google Classroom                   | 16                           | Dosti House (Library E resources of the American Consulate in Mumbai, BKC) |
| 17  | Google Meet                        |                              |  |
| 18  | Google forms, Sheets & Slides      |                              |  |
| 19  | Zoom                               |                              |  |
| 20  | Mentimeter                         |                              |  |
| 21  | Quizizz                            |                              |  |
| 22  | Kahoot                             |                              |  |



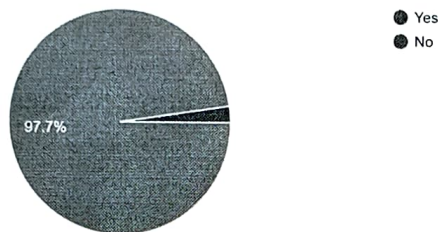
*Sudha*  
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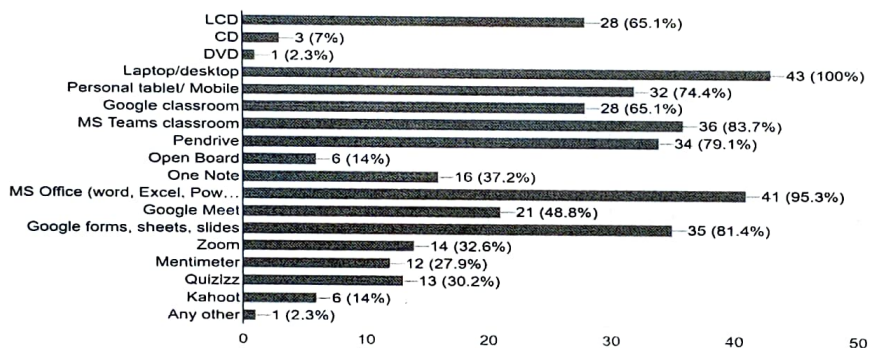
Did you use any ICT tools and/or Learning Management Systems (LMS- e.g. software, apps, flipped classroom etc.) during academic year 2021-22?

43 responses



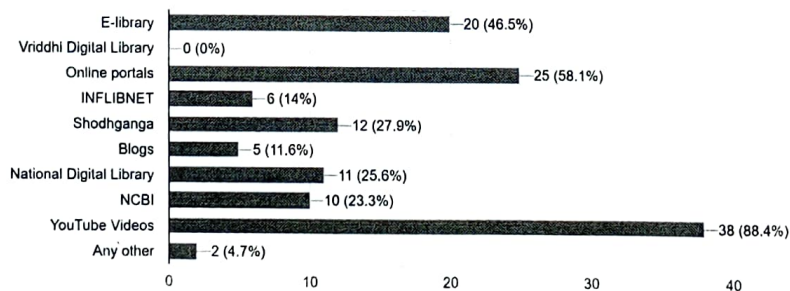
Following is the list of ICT tools and resources. Please check the boxes next to the tools and resources you used for teaching during academic year 2021-22 (till July 2022)

43 responses



Following is the list of e-resources and techniques. Please check the boxes next to the resources and techniques you used for teaching during academic year 2021-22 (till July 2022)

43 responses



*[Signature]*  
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