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Criterion 2: Teaching-Learning and Evaluation

2.3.1: Student Centric Methods

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Academic year 2018-19
Report of usage of ICT tools and techniques by the teachers

Teaching-learning can be enhanced with the use of ICT tools and techniques. The use of audio-visual tools like PowerPoint and videos not only are helpful in engaging the students, but they also help them in understanding the content taught. After a positive experience about it, during the year 2018-19, teachers made use of several ICT tools and techniques like desktop, laptop, tablet, pen drives, smartphones. Topic- related documentaries, and movies were shown using CDs and DVDs. Use of smart phones made it easy to share study-related material with the students. Many teachers engaged lectures with the help of PowerPoint presentations. Some of the teachers also made use of Google Classroom to share relevant reference material with the students. Google Classrooms were also used for the submission of assignments. This was not only helpful for saving paper, but it also resulted in storing the students' assignments efficiently. Many teachers also used e-resources like INFLIBNET, Shodhganga, Vriddhi Digital Library and National Digital Library. The use of these resources helped the students have access to a wide range of educational material. This enhanced their motivation and learning. It also resulted in personalized learning experience.



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Academic Year 2019-20

Report of usage of ICT tools and techniques by the teachers

Use of ICT tools and techniques for teaching is helpful for motivating students to learn, enhance their learning experience. It also has positive impact on teacher's effectiveness and productivity. During 2019-20, apart from using desktop, laptop, tablets, pendrive and smartphones for teaching, teachers also made extensive use of learning management system like google classrooms and Microsoft Teams. Quizzes and class-tests were taken with the help of Google forms and Microsoft Office forms. Study material was shared on both Google Drive and OneDrive. To engage the students during classes, teachers made effective use of tools like Mentimeter, Quizziz. Towards the end of academic year 2019-20, face-to-face interaction was not possible with the students due to pandemic. However, students were effectively guided during this period too by having online classes with the help of meetings on Google Meet, Microsoft Teams and Zoom. Learning experience of students was enhanced with the help of use of online portals like Vriddhi Digital Library, National Digital Library, INFLIBNET, Shodhganga, NCBI, Blogs etc.



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Academic Year 2020-21

Report of usage of ICT tools and techniques by the teachers

During the academic year 2020-21, the teaching – learning process was completely online and hence, the teachers made optimum use of ICT tools, techniques and online resources. Lectures and practicals were conducted through Microsoft Teams. Occasionally, Zoom and Google Meet were also used for the same. ICT tools like laptops, desktops, mobile, writing tablets were used to a great extent for online teaching. The extensive use of ICT tools and techniques like Google docs, Google sheets and PowerPoint presentations helped to develop collaborative teaching – learning approaches. Use of Paint 3D, graphic tablet, Padlet, CHEMDRAW, Linux, Raspbian desktop, Keil, Xampp server, Bootstrap, Geogebra graphic, Calculator, Scorative, Google Jamboard was also reported. Google classrooms, Google Drives, Microsoft Teams classrooms and one drive 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 Youtube videos, online portals, e-library, Vriddhi digital library, INFLIBNET, Shodhganga, Blogs, National Digital Library, NCBI, SWAYAM NPTEL. Many of the Science departments made use of virtual laboratories to make the practicals interesting and interactive. To develop interest amongst students about research and to make them aware about the process of reviewing, writing and publishing the research papers, the teachers made extensive use of Google Scholar, Pubmed, Research Gate, Science Direct, etc. Management purchased the Enterprises Resource Planning (ERP) software called JUNO which was effectively used for conduction of online exams in a centralized manner. Some of the exams were also conducted online with the help of Google Forms and Microsoft Forms.



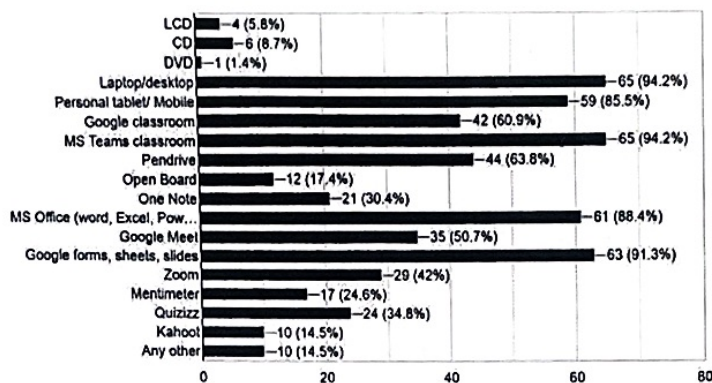
Quar
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Academic Year 2020-21

Report of usage of ICT tools and techniques by the teachers

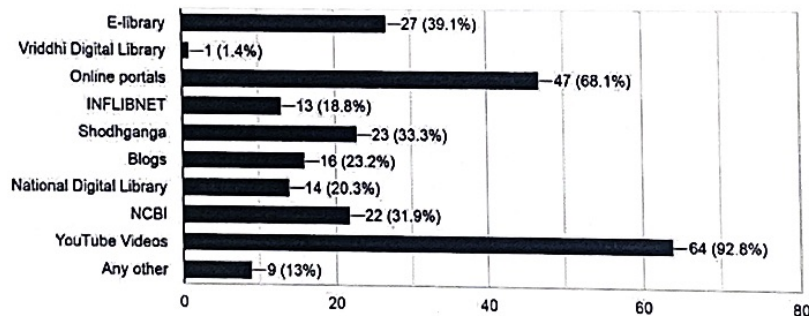
Following is the list of ICT tools and resources. Please check the boxes next to the tools and resources you used for teaching during academic year 2020-21 (till July 2021)

69 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 2020-21 (till July 2021)

69 responses



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Academic Year 2021-22

Report of usage of ICT tools and techniques by the teachers

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 Microsoft 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, Microsoft 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 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 and Microsoft Forms were used for student assessment.



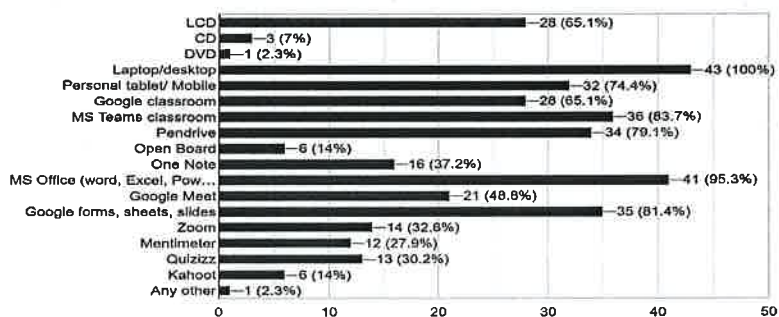

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Academic Year 2021-22

Report of usage of ICT tools and techniques by the teachers

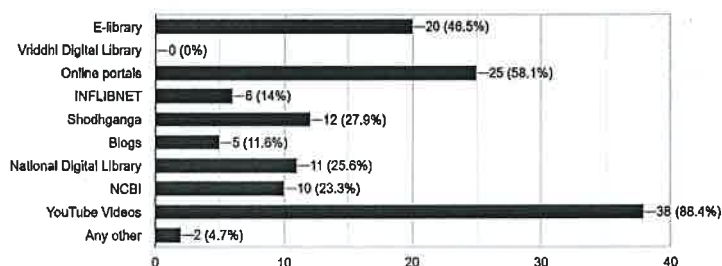
Following is the list of ICT tools and resources. Please check the boxes next to the tools and resources you used for teaching during academic year 2021-22 (till July 2022)

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



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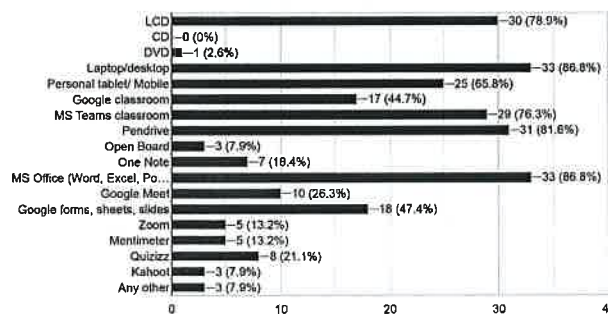
Academic Year 2022-23

Report of usage of ICT tools and techniques by the teachers

During the academic year 2022-23, teaching-learning was enhanced by the use of ICT tools and techniques. Almost all the teachers made use of different ICT tools and techniques. Occasionally, online lectures were organized using Microsoft Teams, Google Meet and Zoom. Many teachers used laptop, desktop, tablets, mobile phones, pen drives to prepare, share and display learning material. Microsoft office was also used to share reading material, for conducting quizzes, upload assignments. Some departments made effective use of Microsoft forms and Google forms for taking mid-semester class test. Students' understanding of the subject matter was checked by using teaching-learning apps like mentimeter, quizziz, open-board, kahoot, one-note. Many teachers used e-resources like UGC Pathshala lectures, e-library, NCBI, Shodhganga, INFLIBNET, National Digital Library. Topic-relevant YouTube videos were shown and discussions based on them were held in the classroom. This enriched the understanding of the subject matter.

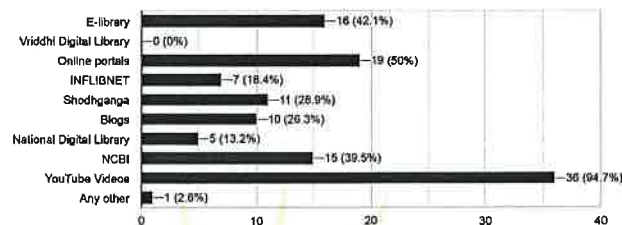
Following is the list of ICT tools and resources. Please check the boxes next to the tools and resources you used for teaching during academic year 2022-23.

38 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 2022-23.

38 responses



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