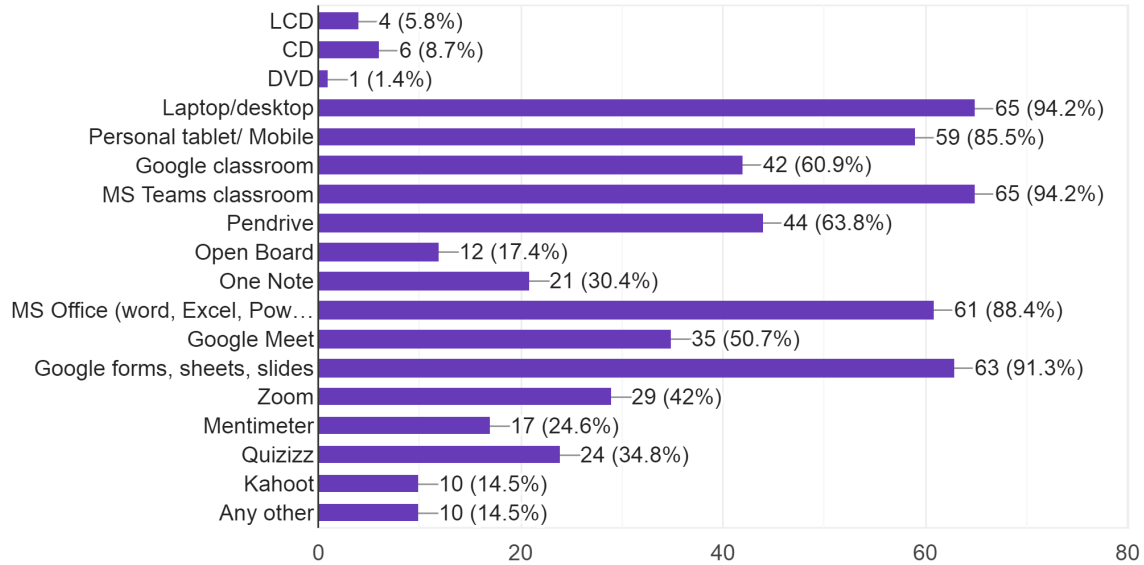


2.3.2 TEACHERS USE OF ICT ENABLED TOOLS INCLUDING ONLINE RESOURCES FOR EFFECTIVE TEACHING AND LEARNING

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 MS 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. 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. 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, MS 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 You-tube videos, online portals, e-library, Vriddhi digital library, INFLIBNET, Shodhganga, Blogs, National Digital Library, NCBI, 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 ERP 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 or MS Forms.

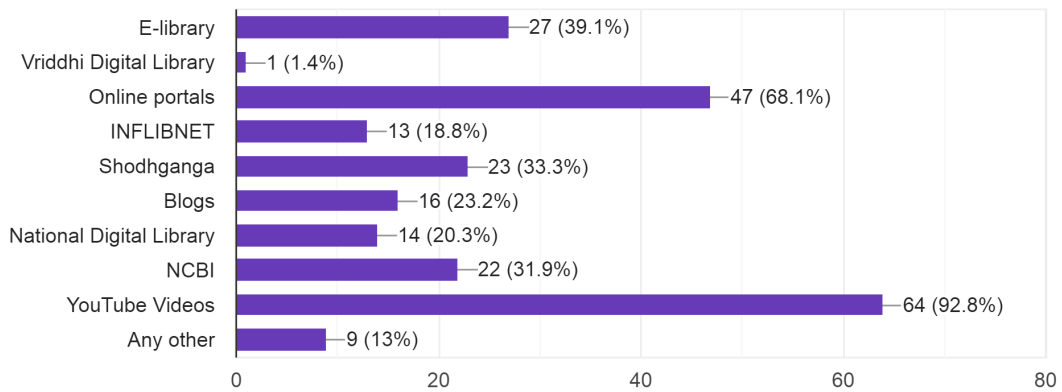
Following is the list of ICT tools and resources. Please check the boxes next to the tools and resources you used for teaching during academic year 2020-21 (till July 2021)

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



Following is the list of ICT tools and techniques used and e-resources used by teachers during Academic year 2020-21

	2.3.2 ICT Tools & Techniques Used		2.3.2 E-Resources Used
	No. = 35		No. = 16
1	Laptop	1	E - library
2	Desktop	2	Vriddhi Digital Library
3	LCD Projector	3	INFLIBNET
4	Personal Tablet	4	Shodhganga
5	Pen Drive	5	Blogs
6	Smart Phone	6	National Digital Library
7	CD	7	NCBI
8	DVD	8	You Tube Videos
9	MS Teams Meeting App	9	Online Portals & Web Articles
10	MS Teams Classroom	10	Google Scholar
11	MS Whiteboard	11	PubMed
12	Openboard		Dosti House (Library E resources of the American Consulate in Mumbai, BKC)
13	MS Forms	13	Virtual Laboratories
14	OneNote	14	Research Gate
15	MS office (Word, Excel Powerpoint)	15	Science Direct
16	Google Classroom	16	NPTEL
17	Google Meet		
18	Google forms, Sheets & Slides		
19	Zoom		
20	Mentimeter		
21	quizizz		
22	Kahoot		
23	Paint 3D		
24	Graphic Tablet		
25	Padlet		
26	CHEMDRAW		
27	Linux		

28	Raspbian desktop		
29	Keil		
30	Xampp server		
31	Bootstrap		
32	Geogebra graphic calculator		
33	One by Wacom		
34	Scorative		
35	Google Jamboard		

Meeting Links for Lectures 2020-21			
Name of teacher	Subject	Class	Link
Ajinkya Gaikwad	Politics	FYBA	https://teams.microsoft.com/l/meetup-join/19%3azvveiqVN0VDNFrdLjGKGgrU_4nkC3Ha5sS393ZFSvgk1%40thread.tacv2/1647242348446?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%22f5ee0b2-8033-499b-bfdc-739474c06d9d%22%7d
Vanita Banjan	Politics	SYBA	https://teams.microsoft.com/l/meetup-join/19%3aLwOBTiU3KA2BkOnvxSMwquG740BkwUgfji_K5HIIdNbk1%40thread.tacv2/1643693786467?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%225425cc02-3f50-4167-812c-d1730a698fb5%22%7d
Vanita Banjan	Politics	TYBA	https://teams.microsoft.com/l/meetup-join/19%3an-til2kjjcgF_kZEPA35-Bedh7SBwWgCNvouJx9vjgw1%40thread.tacv2/1643602931202?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%225425cc02-3f50-4167-812c-d1730a698fb5%22%7d
Neha Karnik	Economics	FYBA	https://teams.microsoft.com/l/meetup-join/19%3aBcTqiK9l2WjnV9ra3Rn7-CHnS-fDZJrTjnlSwu2yWbo1%40thread.tacv2/1631848783354?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%225f0231bf-563f-4952-92bf-1aba6750c494%22%7d
Neha Karnik	Economics	SYBA	https://teams.microsoft.com/l/meetup-join/19%3aHmuFNqOjQaxoypqTHtVvcVudiaY6h7fWaWlupzwoVjk1%40thread.tacv2/1626010096145?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%225f0231bf-563f-4952-92bf-1aba6750c494%22%7d

Neha Karnik	Economics	TYBA	https://teams.microsoft.com/l/meetup-join/19%3aEf_D1DED14uFNIZg65hNp2xDZ-V0cMNd5k_TMmkj-c1%40thread.tacv2/1625761479790?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%225f0231bf-563f-4952-92bf-1aba6750c494%22%7d
Shama Todurkar	Psychology	TYBA	https://teams.microsoft.com/l/meetup-join/19%3ameeting_YmM1Nzg1ZDOtYjgxOS00ZjY1LWJjMTktZTJlZTcxZGY2MTMx%40thread.v2/0?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%22953837cc-6932-4983-bce2-3ab90954d96b%22%7d
Amruta Padhye	Psychology	TYBA	https://teams.microsoft.com/l/team/19%3a279f4dd7b0d74b8d9eff71306de3bb67%40thread.tacv2/conversations?groupId=b9df4ea6-bb89-46a4-a6d5-c399f32f2274&tenantId=405ddc34-d660-46e5-b52d-bfd0be156bb5
Amruta Padhye	FC	SYBA	https://teams.microsoft.com/l/meetup-join/19%3A2571b92b00054bf2af88bc77a9a7f1fb%40thread.tacv2/1613639967456?context=%7B%22Tid%22%3A%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2C%22Oid%22%3A%228dc5b590-28b5-43f0-b148-abf4f27c5761%22%2C%22MessageId%22%3A%221613639967456%22%7D
Dr. Kamala Srinivas	Psychology	FYBA	https://teams.microsoft.com/l/meetup-join/19%3a8b7c2af0f58f469e9afa568c30982f5a%40thread.tacv2/1602603457696?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%22d570ebaf-af05-4447-9511-21d1e5a97122%22%7d
Dr. Kamala Srinivas	Philosophy	SYBA	https://teams.microsoft.com/l/meetup-join/19%3a601600e569f54787a15a681a69909948%40thread.tacv2/1602438614096?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%22d570ebaf-af05-4447-9511-21d1e5a97122%22%7d
Dr. Kamala Srinivas	Psychology	SYBA	https://teams.microsoft.com/l/meetup-join/19%3a9249f3ea7b074c368426594bae55f15e%40thread.tacv2/1602770029133?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%22d570ebaf-af05-4447-9511-21d1e5a97122%22%7d
Dr. Kamala Srinivas	Philosophy	TYBA	https://teams.microsoft.com/l/meetup-join/19%3a35fe29a9d34640af98b9e6128db32dae%40thread.tacv2/1602603590538?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%22d570ebaf-af05-4447-9511-21d1e5a97122%22%7d
Vrushali Gupte	Philosophy	FYBA	https://teams.microsoft.com/l/meetup-join/19%3a4e139aa593e64c22a46bb9090c393ec3%40thread.tacv2/1602511747815?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%227bee4f6f-fc6a-46df-90da-fbc463789018%22%7d
Vrushali Gupte	COR	SYBA	https://teams.microsoft.com/l/meetup-join/19%3ameeting_MzA1OTZjOTgtMzA5Yi00ODcyLTkxMGItMmI1MTlhNTY2OTI3%40thread.v2/0?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%227bee4f6f-fc6a-46df-90da-fbc463789018%22%7d

All Staff Members	Botany	FYBSc	https://teams.microsoft.com/l/meetup-join/19%3aff65713e78b1448fbb9e6ea24cc0f1ee%40thread.tacv2/1599226108826?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52dbfd0be156bb5%22%2c%22Oid%22%3a%22db9323eb34c8-40a3-99e6-51289c9f69e4%22%7d
All Staff Members	Botany	SYBSc	https://teams.microsoft.com/l/meetup-join/19%3a9631bca007e5436da5d7fd4bd8978499%40thread.tacv2/1597858718272?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%22d512e7d0-2cfc-447c-8f7a-bff41c3b9903%22%7d
All Staff Members	Botany	TYBSc	https://teams.microsoft.com/l/meetup-join/19%3a7b1cc2b6c0f04ca48d7271dd5e50d323%40thread.tacv2/159706867776?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%22d512e7d0-2cfc-447c-8f7a-bff41c3b9903%22%7d
All Staff Members	Botany	MSc I	https://teams.microsoft.com/l/meetup-join/19%3a7114677c90504562afd5adda7c29b8ad%40thread.tacv2/1605516695012?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%228c757c6d-5ec4-4609-ad6a-fea5398136f3%22%7d
All Staff Members	Botany	MSc II	https://teams.microsoft.com/l/meetup-join/19%3a9ed2258d805a412aa85f132aa5a874ad%40thread.tacv2/1596279453821?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%22d512e7d0-2cfc-447c-8f7a-bff41c3b9903%22%7d
Avadhesh Ram	Zoology	FYBSc	https://teams.microsoft.com/l/meetup-join/19%3aa26df4d8d7204c228d3246a3f805257f%40thread.tacv2/1602478112099?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%2207a25eff-7403-4713-ba2c-6da017c15bfa%22%7d
Pushparaj Shetty	Zoology	SYBSc	https://teams.microsoft.com/l/meetup-join/19%3a05532bff46734296800fba139172e3b8%40thread.tacv2/1605718740809?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%2280f92b2b-e28d-449b-a2ee-11c92a97616c%22%7d
Rupali Vaity	Zoology	TYBSc	https://teams.microsoft.com/l/meetup-join/19%3adc2e753da9ca4305b5d10490cd9a758a%40thread.tacv2/1606473015706?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%228202a6eb-2545-47dd-b9ef-8fbfb0d70817%22%7d
Krishita Sanail	Zoology	MSc I	https://teams.microsoft.com/l/meetup-join/19%3ae6cfd0a9a3274d578e268a87b14ef483%40thread.tacv2/1619776614950?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%22390695fe-70c0-425a-b91e-1216703c76f4%22%7d
Rupali Vaity	Zoology	MSc II	https://teams.microsoft.com/l/meetup-join/19%3a203e3c1ca62e497e884f954ba8df7c06%40thread.tacv2/1599286725007?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%228202a6eb-2545-47dd-b9ef-8fbfb0d70817%22%7d

Surjeet Kaur	Mathematics	FYBSc	https://teams.microsoft.com/l/meetup-join/19%3a9c3287ef457c4c11b415319b226843ab%40thread.tacv2/1600409391570?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%227e851b33-762f-4ff1-9551-073a82abbe68%22%7d
Geeta Paluskar	Mathematics	SYBSc	https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZjczNTdINWUtN2Q0NS00MTAxLThkMDOtYzAwYzVkYTZmNmVi%40thread.v2/0?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%223b7cfbae-243e-43de-bb34-84284acb7f29%22%7d
Geeta Paluskar	Mathematics	TYBSc	https://teams.microsoft.com/l/meetup-join/19%3aa38c7a9b28d343c78156aac3fde30e57%40thread.tacv2/1597660239983?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%223b7cfbae-243e-43de-bb34-84284acb7f29%22%7d
Vaishali Falnikar	Mathematics	TYBSc	https://teams.microsoft.com/l/meetup-join/19%3aa38c7a9b28d343c78156aac3fde30e57%40thread.tacv2/1597663643851?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%228e487109-fe5c-4c8d-8690-fd1c05e7d434%22%7d
Anoop Varghese	Mathematics	TYBSc	https://teams.microsoft.com/l/meetup-join/19%3aa38c7a9b28d343c78156aac3fde30e57%40thread.tacv2/1597657602112?context=%7b%22Tid%22%3a%22405ddc34-d660-46e5-b52d-bfd0be156bb5%22%2c%22Oid%22%3a%227c4cb3d3-c42f-408e-9838-d4fc57a13692%22%7d