

2.3.2 Teachers use ICT enabled tools for effective teaching - learning process. (15)

Information and communication technologies or ICT refers to various communication technologies that can be instrumental in experiential learning. These refer to internet, computers, software, video conferencing, social networking and other media applications and services enabling users to access, retrieve, store, transmit, and manipulate information in a digital form. ICT can impact teaching-learning process when technology is integrated into the curriculum.

The college has 22 ICT enabled classrooms for regular classes. There are 8 seminar halls with excellent ICT facilities and a seating capacity of more than 100 people. These are used for organizing talks, seminars and workshops for students and faculty.

The courses taught under all the programmes have a practical component based on the theory taught. Specialized software are needed to conduct practicals. The college through the internet provided by the server of University of Delhi has an access to Databases that are used for conducting practicals. A few of these open access databases are NCBI (BLAST, PRIMER BLAST), cgs server, Gene Runner, Primer 3, Pymol, Rasmol, Arguslab, Chems sketch, Chemdraw, Hyperchem, turbo C ++ (win), scilab, nanohub, quinc android studio, OrCad-capturelite, Tall ERP 9, Eviews, Income Tax Returns, LaBview, Latex, R, MEGA, Sequin, Mafft, Clustal, Psiperd server, Bankit, I-tasser and GENSCAN.

Since all the software needed are not available freely, a few of them have been purchased by the college. These include Mathematica, Oracle 10 G Software, Office Prof. 2007, Visual Studio 2008, Windows 7 Professional, Xilinx, Multisim and SPSS. Capitaline Plus Database has been provided by the University through its server for access to students.

The college has made provisions for students to get an access to various sites that provide study materials and access to books and journals. The links to a few of these sites are

S. No	Source	Link
1	ICT initiatives of Ministry of Education	https://mhrd.gov.in/ict-initiatives
2	Teaching learning resources by Government of India	https://swayam.gov.in/
3	DTH Educational channels	https://www.swayamprabha.gov.in/
4	National Digital Library of India	https://ndl.iitkgp.ac.in/
5	Education through ICT executed by the University Grants Commission	http://eggp.inflibnet.ac.in/
6	ICT initiatives of Ministry of Education for technical education	https://www.e-yantra.org/
7	Promoting IT literacy through open software	https://spoken-tutorial.org/
8	Remote access to labs for Science and Engineering courses.	http://vlab.co.in/