

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

Today, it is important for the students to learn and master the latest technologies in order to be corporate ready. In order to engage students in long-term learning, teachers are fusing technology with conventional modes of instruction. Information and communication technology (ICT) is used in college to assist, improve, and optimize the way that education is delivered.

The college has 22 classrooms with LCD projectors installed for regular classes. There are 8 seminar halls with 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 college has an auditorium digitally equipped with a mike, projector and computer system which is used for organizing conferences and invited talks.

All of the courses include a practical component based on the theory that is taught. Practicals require specialized software to be conducted. The college has access to databases used for conducting practicals through the internet supplied by the server of the University of Delhi.

Available open access databases : 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.

Purchased Software by College : Mathematica, Oracle 10 G Software, Office Prof. 2007, Visual Studio 2008, Windows 7 Professional, Xilinx, Multisim, SPSS and MATLAB 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 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	Teaching learning resources by Government of India	https://swayam.gov.in/
2	DTH Educational channels	https://www.swayamprabha.gov.in/
3	National Digital Library of India	https://ndl.iitkgp.ac.in/
4	Education through ICT executed by the University Grants Commission	http://epgp.inflibnet.ac.in/
5	ICT initiatives of Ministry of Education for technical education	https://www.e-vantra.org/
6	Promoting IT literacy through open software	https://spoken-tutorial.org/
7	Remote access to labs for Science and Engineering courses.	http://vlab.co.in/
8	UGC MOOCs	https://ugcmoocs.inflibnet.ac.in/
9	e-PG Pathshala initiative of the MHRD under its National Mission on Education through ICT (NME-ICT)	https://epgp.inflibnet.ac.in/
10	UGC Distance Education Bureau	https://deb.ugc.ac.in/