

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

The phenomenal growth of communication technology, computer networks and information technology and their integration offer unprecedented opportunities for teaching and learning. Information Communication Technology (ICT) has the potential to transform the nature and process of teaching and learning environment / culture. Interactivity, flexibility, and convenience in ICT supported environment enables both teachers and students to access and share ideas and information in diverse communication styles and format. Christ College is always adopting new technologies and trends in pedagogy and is always updated with the current trends. College has taken major initiatives in ICT education from 2017 onwards, which made possible an easy transition to complete online education during the Covid times. Education has outgrown the physical constraints of the classrooms. IQAC has taken several initiatives to upgrade the hardware and software for the ICT enabled education.

ICT tools and in- house online Resources

Hardware

Major ICT hardware used are

1. Intelligent Interactive panels (used for online and offline classes, integrated with smart board, Intel PC, Wifi and Subject relevant software). These panels are used to record video lectures.
2. Video laboratory for production of video tutorials with HD Camera, teleprompter, Chroma screen, Whiteboard and other accessories.
3. Lightboard introduced first time in Kerala for recording video facing students.

4. Audio laboratory for the production of audio books for visually impaired, with related accessories.
5. Three recording rooms to broadcast live lectures and webinars.
6. ICT enabled classrooms with Interactive panel, camera and wifi.

ICT Software used are

1. Moodle Learning Management System deployed in cloud: <http://christijkmoodle.in>. All the teachers and students are enrolled in moodle classrooms.
2. Christ College has its own online learning portal <http://christopencourseware.com> with all four quadrants for delivering the in-house generated MOOCs (Massive Open Online Courses) to students in and out of the college.
3. Open Broad Caster Software, Adobe Premier Pro, Kdenlive, Handbrake and Adobe Photoshop for recording and editing video tutorials.
4. Dedicated YouTube channels for broadcasting video tutorials for the benefit of students to learn at their pace and comfort.
5. Language lab of Orell systems to engage students in Language classes- deployed in cloud to be accessed from anywhere.

Other Online Resources

NPTEL - College is registered with NPTEL as single point of contact. Eight Hundred and Ninety Students have enrolled in NPTEL.

EdX- College engaged tie up with EdX the leading online educator. 442 students are enrolled in 1446 courses and 512 courses have been completed.

Coursera- College also engaged in tie up with Coursera during covid pandemic. Thirty-Four students enrolled in seventy-four courses.

Christ College could introduce the students to a dynamic and popular learning culture, by exposing them to a wide range of information and resources and motivating them to explore and participate. ICT education also trained the students to work with a variety of resources; learning to critically appraise information and resources; and making safe, productive, ethical and legal use of these resources a habit.

ICT enabled Tools	Link
Moodle Activity Report	http://dspace.christcollegeijk.edu.in:8080/jspui/bitstream/123456789/1592/3/2.3.2%20moodle%20activity%20report.pdf
Christ OpenCourse Ware	http://dspace.christcollegeijk.edu.in:8080/jspui/bitstream/123456789/1592/1/2.3.2%20COCW%20report.pdf
NPTEL report	http://dspace.christcollegeijk.edu.in:8080/jspui/bitstream/123456789/1592/4/2.3.2%20nptel%20activity%20report.pdf
Coursera report	http://dspace.christcollegeijk.edu.in:8080/jspui/bitstream/123456789/1592/2/2.3.2%20coursera%20activity%20report.pdf