ST. ALOYSIUS COLLEGE, EDATHUA

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CURRICULUM DELIVERY

THROUGH ICT TOOLS @ SAC

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

In the current scenario of the pandemic, it has been a need for the students and teachers toadapt to the latest technologies.So the College follows a blended method of learning, a potential way for redefining the traditional education paradigm and using technology to reach every learner. In this learning environment, offline learning complements classroom learning; through various digital platforms to create an enriching learning experience.
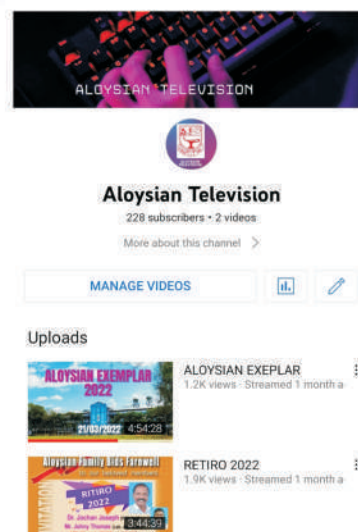
The institution practices ICT enabled-teaching for networking and resource sharing. The college utilizes the various tools and gadgets of ICT as a Support to enhance and optimize the delivery of information. The type of tool used by the faculty varies based on the subject and the need.

Learning Platforms and Video Conferencing Tools
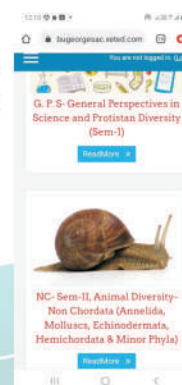
Google Classroom, YouTube, Google Meet and Zoom are the blended learning platforms used for the effective teaching-learning process in the college. Teachers extensively use Google classroom to communicate, organize and manage assignments among students. ALOYSIAN TELEVISION is a **YouTube channel of the** College that streams important programmes and the departments upload recorded videos of course contents and student presentations on their channels. The online videos offer the option to adopt flipped classroom strategy
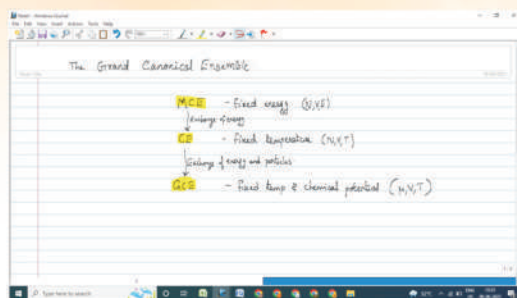
Online platforms like **MOOC and MOODLE** are introduced to the students. Some of the teachers have completed online courses offered through these platforms and offering online courses on MOODLE platform.

Smart Displays and Evaluation Tools

Smart displays like Jam board, online whiteboards and Windows Journal enhance the quality of online teaching. Virtual whiteboards allow users to write, draw and erase like a traditional whiteboard and it augments classroom participation by allowing **students to visually depict their learning and thinking. Quizzes and Kahoot** support online testing and evaluation. Class wise **WhatsApp and Telegram** groups are formed under the guidance of the HOD/tutor for sharing information, resources, immediate announcements, short notices of special classes, assignment topics and career counselling etc.

Automated Library

College serves as a local chapter for **SWAYAM-online NPTEL** courses for teachers as well as students. The College library is fully automated with **Koha.** Students and faculty members take advantage of **INFLIBNET, DELNET, e-pgPathshala, Shodhganga, DOAJ - Directory of Open Access Journals, DOAB - Directory of Open Access Books, NDLTD - Networked Digital Library of Theses and Dissertations** through the College library. The library is a repertoire of rich knowledge resources with a collection of over 35100 books and a subscription to top periodicals and journals is the key source of academic assistance to the community
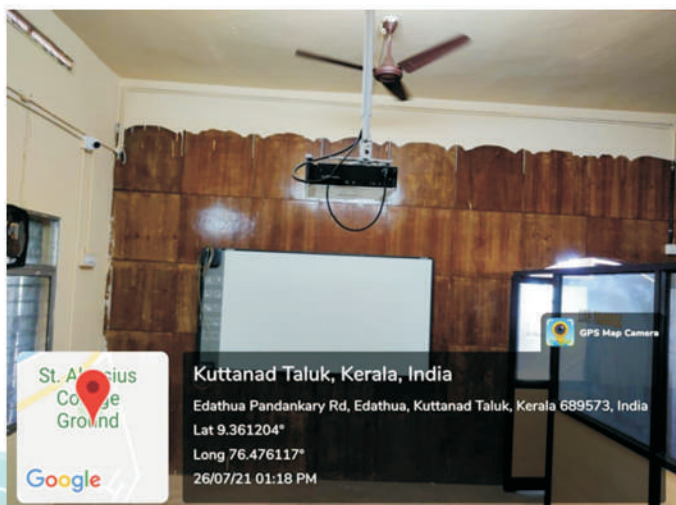
Infrastructural Facilities for ICT Enabled Teaching

All departments have **computers with internet access, Wi-Fi connection, and Classrooms with LCD projectors** to **facilitate** an optimum learning environment. Most of the teachers take advantage of various types of information and communication technologies including PowerPoint presentations, interactive boards and book readers. Teachers possess laptops and other internet-enabled devices such as tablets and notebooks for sharing information**.**

A **smart board** is available in the smart room, facilitating the technology integration. These devices help the teachers to attract the attention of the students who are otherwise distracted by the monotonous methods of knowledge transaction. This makes the teaching-learning process inter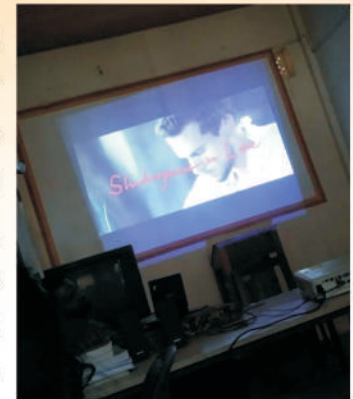esting and multi-sensory. These smart methods are students friendly and it complements the verbal teaching methods. The students are motivated to make use of these facilities during their seminar presentations. Along with the Computer Centre, the college Library offers browsing facilities to the student**.**
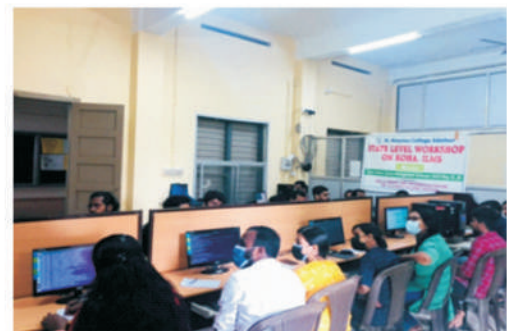
The media room includes a high-definition camera, light reflectors, VFX fluorescent screen reflector screen etc which aids to record the programmes. It facilitates teachers and students to donate their voices, to convert curriculum-based textbooks to audiobooks to cater for the needs of visually impaired students. It offers a recording facility too.

The Language Lab is equipped with ETNL software and acts as a centre for ICT-enabled English teaching. These facilities are used for conducting RELP (Rural English Literacy Programme) and the vocational courses of B.A.English Model II Programme. Teachers conduct classes about phonetics, linguistics, stress, intonation, rhyme, rhythm and accent using the facilities available in the Language Lab. Theatre owned by the Department of M.A. English aims to provide entertainment to the students. It offers screening of popular and art movies as well as documentaries. It also serves as a platform for budding cinematographers to view, discuss and review movie classics.

The **College has a central Computer laboratory and another laboratory set up with the aid of UGC for Mathematical Computation under the Department of Mathematics.** Students use the **central Computer laboratory** for undergoing mock online tests and various training programmes. In addition to this, departments have their own systems to fulfil the curriculum needs of students. M.Sc. Mathematics students are taught **Python 3.4** as part of their curriculum. This helps them acquire programming skills. Department of Mathematics offers a certificate course on **MATLAB 7.1**. The department also offers a course on **Latex;** typesetting software enables the students to acquaint themselves with writing scientific articles and publishing books

Department of Physics offers a certificate course on **Origin 6.0 with the computational facility available in thedepartment computer laboratory.**The **software** can be used as an ICT tool for interactive scientific graphing and data analysis**. The physics department also provides a facility for C^{++} programming** as part of the M.Sc. and B.Sc. curriculum. (Combine with the above one). **The Department of Commerce** offers training on **SPSS and Tally ERP 9**. *SPSS* is a software for analyzing data and running statistical tests and students use this for their project work.

Automated Administration

Centralized and automated administration in the college *is provided by* ***Linways Technologies Pvt Ltd*, an innovative learning management system.** Many of the administrative and academic activities of the college are carried out on online platforms. The academic community keeps constant vigil to imbibe the changing pulses of the teaching-learning process.

Implementation of hybrid learning models of technology helped the institution to cope with the Covid time. Thus, the institution aspires to keep on walking with the modern developments in the world of teaching-learning and evaluation.