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

Response:

Arul Anandar College provides digital infrastructure and trains the faculty for their effective use. All teachers use ICT facilities for teaching, learning and evaluation. Various ICT enabled tools such as **Educational Software, Online Teaching and Learning Resources Interactive Teaching Platforms, Physical Aids** and **Google class room** are used for teaching.

The **Educational Software** like MS Office, Adobe Reader, Tally, Mathematica, Chemdraw, Jmol, IDL, Plagiarism Checker X and Origin enhance the teaching and learning experience. Open source software and programming languages are widely used both by the faculty and students. These software help the faculty to adopt different methodologies in teaching their courses and to update their course materials as well.

Students are directed to get access to such Software for the purpose of data extraction, data interpretation, and demonstration, and also to perform calculations and drawings related to their courses and other educational purposes.

Online resources like E–Books, E-Content, YouTube, Presentation Tools, Blogs, Social Media, Websites, NLIST, and Educational Apps such as Hot potatoes, Kahoot, Edpuzzle, Near pod and Socrative Digital Tool for Teaching benefit the teaching and learning. Individual Departments have created web-circles and blogs which can be accessed by students to view contents like articles, critical evaluation and discussions on different themes; and the students are also encouraged to post their comments.

The Language Skill Development Centre serves to help the learners to improve their communicative skills. Movies and documentaries are screened for the students in the film-theatre as well as in the Audio-Visual Hall for contextualizing the learning theme and character with visual effects. Students are taught and guided through blended learning approach.

The COVID-19 situation paved the way for virtual mode of teaching-learning and evaluation. Use of **Learning Management System (LMS)** such as **Educational G-Suite** proved handy for interactive teaching-learning, recording and replaying of the lessons, providing study materials and reference materials, encouraging e-assignments, arranging snap tests, conducting continuous assessments and summative examinations, and documenting them for future reference.

Members of the faculty and students were created with an e-mail id in the college domain which made communication and interaction simpler and easier. The College has modified the **ERP to document attendance online**.

The faculty were trained in the development of e-content and that enhanced the use of ICT for teaching-learning and evaluation. Teaching and learning through ICT medium facilitates innovative interaction between the teachers and the students. Concepts are made intelligible with e-demonstrations and other ICT tools thereby amplifying the interest of the students to fare better and retain the information for a longer period of time.