GURU NANAK KHALSA COLLEGE FOR WOMEN
Model Town, Ludhiana

2020-2021

SUPPORTING DOCUMENT

2.3.2 ICT enabled tools for effective teaching-learning process

Guru Nanak Khalsa College for Women, Model Town, Ludhiana

2.3.2 ICT enabled tools for effective teaching-learning process

At GNKCW, teachers utilize ICT (Information and Communication Technology) enabled tools to enhance and facilitate the teaching-learning process. These tools encompass a wide range of digital resources and technologies, including computers, tablets, interactive whiteboards, educational software, online platforms, and internet-based resources. By integrating ICT into their teaching practices, teachers create a more engaging and interactive learning environment. They use multimedia presentations, videos, and interactive simulations to present complex concepts in a visually appealing manner, catering to different learning styles and abilities. This multimedia approach captures students' attention and stimulates their interest, leading to improved information retention and understanding. ICT tools also enable teachers to access a vast array of online educational resources, including e-books, articles, research papers, and educational websites. This empowers them to enrich their teaching materials, update content regularly, and incorporate real-world examples into their lessons.

During the session 2020-2021, the faculty members were encouraged to upgrade their ICT skills by attending training sessions, workshops, and online courses. Teachers attended 2-Day Online Training Program organized by College Development Council, Panjab University, Chandigarh on July 6-7, 2020. In addition, the Department of Computer Science and Applications organized a 7-Day Faculty Development Program on 'Effective Online Facilitation' from July 16-July 24, 2020.

Ms. Daisy Wadhwa and Mrs. Satwant Kaur launched their YouTube channels to develop content as per the curriculum requirements.

The following ICT Tools and e-Resources are used by faculty to aid the teaching-learning process.

SNO	ICT Tool/ Resource	Type of Tool
1	Smartboards	Hardware
2	Projectors	Hardware
3	Printers and Scanners	Hardware
4	Visualizers	Hardware
5	Digital Tablets	Hardware
6	Multimedia Computer System	Hardware
7	MS PowerPoint	Presentation Software
8	MS Word	Word Processing Software
9	MS Excel	Spreadsheet Software
10	Gmail, Yahoo mail etc.	Communication Software
11	WhatsApp	Communication Software
12	YouTube	Video Aggregation System
13	Google Drive	Cloud-based Data Storage and Sharing System
14	Google Forms	Data Collection and Assessment Tool
15	Adobe Photoshop	Designing Software

16	Google Meet, Zoom, Jitsi Meet etc.	Online Video Conferencing Software
17	Edpuzzle, H5P etc.	Interactive Learning Tools
18	Edmodo	Assessment Tools
19	Kahoot, Quizziz, etc.	Game-based Assessment Tools
20	Google Classroom	Learning Management System
21	Screen-casto-matic, Screen-Castify	Screen recording System for video creation
22	Canva	Graphic Design and Editing Software
23	Slack	Communication and Learning Platform
24	Openshot, Renderforest, Powtoon	Video Creation/Editing Tool
25	Audacity	Audio Editing Tool
26	Padlet, Jamboard etc	Collaboration, Brainstorming tool
27	Open Broadcast Studio	Screen recording and LIVE streaming Tool
28	Overleaf LaTeX	Scientific and Technical Documents creation Tool
29	Zotero, Mendeley	Reference Management Tool
30	Google Groups	Online Discussion Forum

SNO	E-Resources Used
1	E-journals
2	E-books
3	Educational Websites
4	SWAYAM/ NPTEL Course material
5	Educational Content available on websites
6	Internet Archives
7	YouTube Educational Videos
8	ePathshala Resources
9	National Digital Library of India
10	Shodh Ganga
11	Content available under Creative Commons License
12	Broadcast through Swayam Prabha Channels
13	OER Commons Library
14	MIT Open Courseware
15	Unsplash, Pixabay- Free Imaging Libraries

Offg. Principal
G.N.Kh. College for Women
Model Town, Ludhiana.