



GURU NANAK KHALSA COLLEGE FOR WOMEN
Model Town, Ludhiana

SUPPORTING DOCUMENT

2.3.2 ICT enabled tools for effective teaching-learning process

Guru Nanak Khalsa College for Women, Model Town, Ludhiana

Session: 2021-2022

Additional Information

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. Furthermore, by embracing these tools, teachers create dynamic and learner-centered environments that foster creativity, critical thinking, and knowledge acquisition, ultimately preparing students for the demands of the digital age.

To further hone the technology skills of the teachers, a **7-Day Faculty Development Program** titled 'Spark your basic computing skills' was organized from **September 6-12, 2021**. In addition, teachers and students are encouraged to take benefit from the OER repositories as well as enroll in MOOCs offered on SWAYAM/NPTEL platforms.



Ref. No. Notice file

Guru Nanak Khalsa College for Women

Gujarkhan Campus, Model Town,
LUDHIANA-141 002.
Ph. : 0161-2424668, 2772561
Fax : 0161-2424668
Email : gnkcwldh1@rediffmail.com
Web : gnwldh.com
Dated 28/01/2022

IMPORTANT NOTICE

As per the letter issued by the Director, DPI Higher Education, dated 27-01-2022, all the teaching faculty is encouraged to register for MOOCs and submit a report of the same to Mrs. Punpreet Kaur within two days.

Dr. Maneeta Kahlon
Principal

Dr. MANEETA KAHLON
Principal
G.N.Kh. College for Women
Gujarkhan Campus, Model Town,
Ludhiana.

List of MOOCs completed by teachers during the session 2021-2022:

S.No.	Name of the Teacher	Department	Title of the MOOC
1	Mrs. Manpreet Kaur	PG Department of Commerce	Completed 8-week NPTEL course (Feb-April 2021) on 'Sales & Distribution Management' with elite plus gold certification conducted by IIT Kharagpur
2	Mrs. Manpreet Kaur	PG Department of Commerce	Completed 4-week course (July-August 2021) on 'Cost Accounting' with elite plus gold certification conducted by IIT Bombay
3	Ms. Daisy Wadhwa	Department of Computer Science and Applications	Topped in 4-week (July-August 2021) NPTEL online course on 'Python for Data Science' conducted by IIT Madras on NPTEL- Swayam platform
4	Ms. Daisy Wadhwa	Department of Computer Science and Applications	On January 4, 2022, Completed a self-paced online course titled 'Introduction to Natural Language Processing' offered by Analytics Vidhya
5	Mrs. Shikha Kalra	Department of Home Science	Completed 4-week (January-February 2022) course on 'Designing Learner-centric MOOCs' offered by IIT Bomaby on NPTEL
6	Ms. Harpreet Kaur	Department of Computer Science and Applications	On January 5, 2022, Completed a self-paced online course titled 'Introduction to Python' offered by Analytics Vidhya
7	Mrs. Amarpreet Kaur	Department of Home Science	Completed 4-week (January-February 2022) course on 'Designing Learner-centric MOOCs' offered by IIT Bomaby on NPTEL
8	Ms. Neha Dawar	Department of Economics	Completed 12-week (January-April 2022) online course on 'Business Statistics' conducted by IIT Roorkee on NPTEL
9	Ms. Neha Dawar	Department of Economics	Completed 12-week (January-April 2022) online course on 'An Introduction of Micro Economics' conducted by IIT Kanpur on NPTEL
10	Ms. Nisha Saluja	Department of Computer Science and Applications	Participated in 5-week online course (January-February, 2022) on 'Introduction to Social Media Marketing' offered by Commonwealth of Learning

During the pandemic [Ms. Daisy Wadhwa](#) and [Mrs. Satwant Kaur](#) launched their YouTube channels to develop content as per the curriculum requirements. They have been utilizing these video resources in the flipped classroom approach thus devoting classroom interaction time towards higher order critical thinking activities.

S.No.	Name of the Teacher	Department	Link to YouTube Channel
1	Daisy Wadhwa	Computer Science and Applications	https://www.youtube.com/@daisywadhwa1620
2	Satwant Kaur	Computer Science and Applications	https://www.youtube.com/@satwantkaur4120

During this academic session, the Principal, teachers, and students of the college were invited as **expert speakers to Prasar Bharti- All India Radio** where their talk shows on educational, moral and general themes were recorded and broadcast all over Punjab region.

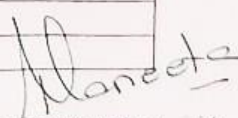
S.No.	Name	Department	Date of Broadcast
1	Dr. Maneeta Kahlon	Principal	May 7, 2022
2	Dr. Madhu Dhawan (Teacher)	Department of Sociology	May 9, 2022
3	Ms. Daisy Wadhwa (Teacher)	Department of Computer Science and Applications	May 30, 2022 (the recording is also available on Soundcloud platform as a podcast)
4	Geetika Kalra (Student)	Department of Journalism and Mass Communication	May 2, 2022
5	Deepnayan (Student)	Department of Journalism and Mass Communication	May 9, 2022

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

S.No.	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, Google Slides	Presentation Software
8	MS Word, Google Docs	Word Processing Software
9	MS Excel, Google Sheets	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	Mentimeter, 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
31	Lucidchart, Mindmeister	Mind Map creation tools
32	Wordpress, Google Sites	Website creation and blogging tools
33	Soundcloud	Podcast/ Audio sharing tool

S.No.	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
16	DOAJ- Directory of Open Access Journals
17	DOAB- Directory of Open Access Books
18	Open Textbook Library
19	TED Ed videos
20	MERLOT free educational resources


 Dr. MANEETA KAHL
 Principal
 G.N.Kh. College for Women
 Gujarkhan Campus, Model Town,
 Ludhiana