

CVTEE 102**Technology Enabled Education- Concept and Tools****BLOCK- 01**

Unit 1

Introduction to Technology Enabled Education- I [Definition, An thorough Introduction to TEE, Importance of TEE, role of TEE in quality education]

Unit 2

Introduction to Technology Enabled Education- II [TEE applications, Future prospective of TEE, issues and Challenges in TEE in India]

Unit 3

Technology Centric Education [Introduction, development history of open and distance learning, philosophy of ODL, world scenario towards ODL and technology centric education]

Unit 4

Role of Technology Enabled education in Open and Distance Learning [TEE and ODL, brief description of UGC ODL regulation 2017, qualitative comparison of ODL and traditional education, future scenario of ODL]

BLOCK- 02

Unit 5

Open Educational Resources (OERs) [What is OERs?, historical development of OERS, rules and guidelines, licenses types of OERs]

Unit 6

Massive Open Online Courses (MOOCs) [Definition, role of MOOCs in today's perspective, MOOCs and ODL, development process of MOOC programmes, etc.]

Unit 7

E-Repositories [Meaning and uses, popular e-repositories, Govt. of India initiatives for e-repositories- NDL, NAD, etc.]

Unit 8

Technology Enabled Education- Institutional initiatives- I [Govt. of India initiatives, as- Sakshat, e-PG Pathshala, etc.]

BLOCK- 03

Unit 9

Technology Enabled Education- Institutional initiatives- II [brief introduction to Shodhganga-Inflibnet, NCERT, etc]

Unit 10

Technology Enabled Learning Tools- I [Brief Introduction to SWAYAM, an approach and importance of technology based learning, Brief Introduction to NPTEL]

Unit 11

Technology Enabled Learning Tools- II [list and descriptions of prerequisite to connect with TEL tools]

Unit 12

Introduction to Social Networking Tools [as twitter, tumblr, LinkedIn, facebook, flickr, skype, yelp, vimeo, yahoo!, google+, youtube, WhatsApp, etc.]

BLOCK- 04

Unit 13

Smart devices and Technology Enabled Learning [Introduction, role of smart devices, types of smart devices, advance concepts]

Unit 14

Technology Enabled Learning for effective assessment system [Introduction to online examinations, online surveys, online feedback, etc]

Unit 15

Introduction to Cyber Security- I [What is Cyber security? Why we need Cyber security?, Types of Cyber Attacks, How is Cyber security implemented?, Challenges in cyber security]

Unit 16

Introduction to Cyber Security- II [Guiding principles and rules to protect from Cyber attacks, future trends and prospective in cyber security, importance in current scenario]

BLOCK- 05

Unit 17

An Introduction to Audio and Video Editing Tools [brief introduction of audio video editing tools, H/W & S/W requirements of audio and video editing, open source tools of audio and video editing]

Unit 18

Video Conferencing [Introduction, H/W & S/W requirements for video conferencing, step by step configuration, tools used for video conferencing, applications of video conferencing]

Unit 19

Video Channel Management (You tube) [Introduction, how set up video channel?, uploading and popularizing videos, channel management, business perspective and self employment]

Unit 20

Introduction to Learning Management System [Introduction, Applications of LMS, List top LMS in the world, How LMS useful for educators? Detailed description of any open source LMS]

BLOCK- 06

Unit 21

Introduction to Content Management System [Introduction, Applications of CMS, List top CMS in the world, How CMS useful for educators? Detailed description of any open source CMS]

Unit 22

An introduction to Artificial Intelligence and machine learning [Introduction to AI and ML, applications of AI, ML, future trends of AI and ML, effects of AI in learning]

Unit 23

An introduction to Cloud computing and Internet of things (IoT)

Unit 24

Introduction to GPS and recent trends in ICT [Introduction, importance, applications, hardware and software requirement, implementation of GPS tools, recent trends in ICT and future scenario of ICT in education]