COURSE STRUCTURE / SYLLABUS
Diploma in Vocation (Technology Enabled Education)
SEMESTER- II
Course Name- Technology Enabled Education- Concept and Tools- II (DVTEE- 202)

Total Credit- 6   **Maximum Marks- 100**

BLOCK -1

Unit 1

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

Unit 2

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]

Unit 3

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]

BLOCK -2

Unit 4

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 5

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

Unit 6

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

BLOCK -3

Unit 7

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

Unit 8

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]

Unit 9

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]

BLOCK -4

Unit 10

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 11

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

Unit 12

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]