Semester- I
Course Code- CSPD 101
Course Name- ICT Resources & Technology Enabled Learning
Credit- 03
Maximum Marks- 60 (Skill Component) + 40 (End Term) = 100

Unit 1
Introduction to Computer, Generations of Computer, Functions of the Different Units (Input unit, Output unit, Memory unit, CPU), Input and Output Devices. [Representation of data in computer: bits and bytes, computer memory, primary and secondary memory]

Unit 2
Types of Memory, BIOS, Hardware and Software, Introduction to Operating System (CUI & GUI), Functions of OS, Translators (Assembler, Compiler & Interpreter) Computer Languages.

Unit 3
ICT Resources and Applications- An Introduction- II [Software Resources and programming languages, installation and management]

Unit 4
ICT Resources and Applications- An Introduction- III [Miscellaneous tools and advance resources]

Unit 5
Introduction to Technology Enabled Education- I [Definition, An thorough Introduction to TEE, Importance of TEE, role of TEE in quality education] Introduction to Technology Enabled Education- II [TEE applications, Future prospective of TEE, issues and Challenges in TEE in India]

Unit 6
E-Governance [Governance: An Introduction, Importance and applications of e-governance, Benefits of E-governance, Types of Interactions in E-Governance, E-Governance Projects in

Unit 7
Open Educational Resources (OERs) [What is OREs? historical development of OERS, rules and guidelines, licenses types of OERs]

Unit 8
Massive Open Online Courses (MOOCs) [Definition, role of MOOCs in today's perspective, MOOCs and ODL, development process of MOOC programmes, etc.] E-Repositories [Meaning and uses, popular e-repositories, Govt. of India initiatives for e-repositories- NDL, NAD, etc.]

Unit 9
Technology Enabled Education- Institutional initiatives- I [Govt. of India initiatives, as-Sakshat, e-PG Pathshala, etc.] Technology Enabled Education- Institutional initiatives- II [brief introduction to Shodhganga- Inflibnet, NCERT, etc]

Unit 10

Video Channel Management (YouTube)- Tools and activities- I
Video Channel Management (YouTube)- Tools and activities- II

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