

LESSON PLAN
Session: 2025-26 (ODD SEM)

Name of Teacher- Pradeep Rajput

Class- B.A. Ist Semester

Subject-Digital and Technological Solutions (VAC)

Month	SYLLABUS
July & Aug.	Introduction & Evolution of Digital Systems: Role & Significance of Digital Technology; Information and Communication Technology (ICT) & Tools; Computer System & it's working, Software and its types. Operating Systems: Types and Functions. Problem Solving: Algorithms and Flowcharts
Sept.	Communication Systems: Principles, Model & Transmission Media. Computer Networks & Internet: Concepts & Applications, WWW, Web Browsers, Search Engines, Messaging, Email, Social Networking. Computer Based Information System: Significance & Types. E-commerce & Digital Marketing: Basic Concepts, Benefits & Challenges
Oct.	Emerging Technologies and their applications: Overview of Artificial Intelligence, Machine Learning, Deep Learning; Big Data, Data Science and Big Data Analytics; Internet of Things (IoT) and Industrial Internet of Things (IIoT), Robotics and 3D Printing; Block chain Technology; Quantum Computing; Cloud computing and its service models.
Nov.	Digital India & e-Governance: Initiatives, Infrastructure, Services and Empowerment. Digital Financial Tools: Unified Payment Interface, Aadhar Enabled Payment System, USSD, Credit/ Debit Cards, e-Wallets, Internet Banking, NEFT/RTGS and IMPS, Online Bill Payment and POS. Cyber Security: Threats, Significance, Challenges, Precautions, Safety Measures and Tools.


Signature


H.O.D