

GOVERNMENT COLLEGE BIROHAR (JHAJJAR)

Summary of Lesson Plans of College Faculty for Academic Session 2025-26

Name of Assistant Professor: PAWAN KUMAR

Class & Sem.: B.A. 1st Sem. Subject: DIGITAL & TECHNOLOGICAL SOLUTIONS.

Months	Topics/Chapters to be covered
August 2025	Introduction and Definition of Digital Computer. Evolution of Digital Computer:- Role and Significance of Digital Technology. ICT & Tools. Computer System and its devices. Computer System Working. Software and its Types. Operating System Definition and its Types. O.S Functions. Problem Solving:- Algorithms & Flow Charts.
September 2025	Communication System:- Principles, Model & Transmission Media. Computer Networks and Internet:- Def & Applications of Comp. Network, WWW, Web Browser, Search Engines, Messaging, Email, Social Networking. Concepts. Computer Based Info. Systems:- Significance & Types. E-Commerce & Digital Marketing:- Basic Concepts, Benefits & Challenges
October 2025	Overview of Artificial Intelligence, Machine Learning, Deep Learning, Big Data, Data Science, Big Data Analysis, Internet of Things (IoT) and Industrial (IIoT) Internet of Things, Robotics, 3D Printing, Blockchain Technology, Quantum Computing, Cloud Computing & its Service Models.
November 2025	Digital India & E-Governance- Initiatives, Infrastructure, Services and Empowerment. Digital Financial Tools:- Unified Payment Interface (UPI), Aadhaar Enabled Payment System (AEPS) USSD, Credit/ Debit Cards, E-wallets, Internet Banking, NEFT/ RTGS and IMPS. online Bill Payment System and POS. Cyber Security- Threats Significance, challenges, Precautions, Safety measures and Tools.

Signature of Assistant Professor
Pawan Kumar