

GOVERNMENT COLLEGE BIROHAR (JHAJJAR)

Summary of Lesson Plans of College Faculty for Academic Session 2024-2025

Name of Assistant/Associate Professor: DR. PAWAN kumar
Class: B.A. 1st Semester Subject: Digital and Technological Solutions.
Semester: 1st

| Months | Topics/Chapters to be Covered |
|-----------------------|--|
| July 2024 | UNIT-1 Defination of Digital Systems, Evolution of Digital Systems Role and Significance of Digital Computers. ICT- Information and communication Technology applications and advantages, and Tools. Digital Computer Systems, its Functions and its Working. Software and its Types. operating System, its Type and its function. Problem Solving, Algorithms and Flow charts. Presentation and class Test. |
| | UNIT-2 Communication Systems: Principles, Model and Transmission Media. Computer Networks e LAN, WAN, MAN. INTERNET:- Defination & Applications of Internet. WWW, web Browsers, Search Engines, Messaging. Email, Social Networking. Presentation E-Commerce, Digital Marketing:- Basic concept and Benefits and challenges of Digital Marketing. |
| Septemb er 2024 | UNIT-3. Emerging Technologies and Their Applications - overview of AIC (Artificial Intelligence), Machine Learning, Deep Learning, Big Data. Data Science and Big Data Analysis. IOT (Internet of Things) IIOT (Industrial Internet of Things) |

October
2024

Robotics and 3D Printing
Blockchain Technology,

Quantum Computing,

Cloud Computing, and its Service Models.
Presentation and class Test
UNIT - 4

Digital India and E-Governance: Initiatives,
Infrastructure, services and Empowerment.

November
2024

Digital Financial Tools: Unified Payments Interfaces,

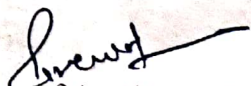
Aadhaar Enabled Payment System, USSD, Credit/Debit
cards, E-Wallets, Internet Banking,

NEFT/RTGS and IMPS, online Bill payment and pos.

Cyber Security - Threats, Significance, challenges,

Precautions, Safety Measures and Tools.

Presentation and class Test


Signature of Asst/Asso. Professor