**Lesson Plan for Odd Semester (2025- 2026) W.E.F.22.07.2023**

**Department of Computer Science**

**Paper& Class: Digital and Technological Solutions I (B.A Ist Sem,B.com 1st sem )**

**VALUE ADDED COURSE**

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| **Date, Week,Month** | **Chapter and Topic** |
| Week 1, 15July - 19July  | Introduction &Evolution of Digital System: role &Signaificance of Digital technology |
| Week 2, 21 July- 26July  | ICT & TOOLS : Computer system & its working  |
| Week 3, 28 July- 02August | Software & its types, Operating System and function  |
| Week 4, 04 August-09August | Problem Solving :Algorithm and flowcharts  |
| Week 5, 11August- 16 August | Discussion on Problems |
| Week 6, 18 August- 23 August | Communication system: Principles, Model &Transmission media. |
| Week 7, 25 August – 30 August | Computer network &internet: Concepts & applications, WWW,web browsers ,search engines, messaiging, email, social networking |
| Week 8, 01 September- 06 September | Computer based information system: Signification &types. |
| Week 9, 08 September-13 September | E-commerce & Digital marketing: Basic concepts, benefits &challenges |
| Week 10, 15 September-20 September  | Emerging Technologies and their Applications: Overview of Artificial intelligence, Machine learning |
| Week 11, 22 September- 27 September | Deep learning: Big data, Date Science and Big data Analytics; |
| Week 12, 29 September - 04 October | Internet of things (IoT) and industrial internet of things (IIoT) |
| Week 13,06 October-13 October | Robotics and 3D printing; Blockchain Technology; Quantum computing; Cloud computing and its service models. |
| **Diwali break (14 October- 22 October)** |  |
| Week 14, 23 October - 25 October | Digital India & Governance: initiatives, infrastructure, services and empowerment. |
| Week 15, 27 October - 31 October | Digital Financal Tools: unified payment interface, AadharEnabled Payment system, USSD, Credit/Debit cards  |
| Week 16, 01 November-08 November | e-Wallets, internet Banking, NEET/RTGS and IMPS, online Bill payment POS |
| Week 17, 10 November-15 November | Cyber security: Threats, signification, challengs, precautions, safety measures and tools. |