

Lab Manual BCA DS Even Sem

- 1 Advanced Analytics and Data Visualization for Enterprise (UDS23602J) Lab Manual BCA DS 6th Sem
- 2 Blockchain Technology (UDS23D04J) Lab Manual BCA DS 6th Sem
- 3 Elements of Distributed Data Processing (UDS24201J) Lab Manual BCA DS 2nd Sem
- 4 Fundamentals of Data Structures and Algorithms (UDS23202J) Lab Manual BCA DS 2nd Sem
- 5 Internet of Things (UDS24M01J) Lab Manual BCA DS 2nd Sem
- 6 INTRODUCTION TO ANIMATION (UDS23G04J) Lab Manual BCA DS 6th Sem
- 7 Introduction to Computer Vision (UDS23601J) Lab Manual BCA DS 6th Sem
- 8 Introduction to Computing with Distributed Data Processing (UDS23201J) Lab Manual BCA DS 2nd Sem
- 9 MACHINE LEARNING FOR ENTERPRISE (UDS23D03J) Lab Manual BCA DS 6th Sem

Lab Manual BCA DS Odd Sem

- 1 Big Data Analytics with Applications (UDS23502J) Lab Manual BCA DS 5th Sem
- 2 Data Base Management System (UDS23302J) Lab Manual BCA DS 3rd Sem
- 3 Data Engineering for Enterprise (UDS23301J) Lab Manual BCA DS 3rd Sem
- 4 Data Warehousing and Data Mining (UDS23D01J) Lab Manual BCA DS 5th Sem
- 5 Data Wrangling (UDS23G01J) Lab Manual BCA DS 3rd Sem
- 6 Deep Learning with Keras and Tensorflow (UDS23501J) Lab Manual BCA DS 5th Sem
- 7 Fundamentals of Data Science (UDS23102J) Lab Manual BCA DS 1st Sem 2023-24
- 8 Fundamentals of Data Science (UDS23102J) Lab Manual BCA DS 1st Sem 2024-25
- 9 INTELLIGENT AUTOMATION (UDS23503J) Lab Manual BCA DS 5th Sem
- 10 Introduction to Cloud Computing (UDS23D02J) Lab Manual BCA DS 5th Sem
- 11 No-Code Applications (UDS23G03J) Lab Manual BCA DS 5th Sem
- 12 Programming Using Java (UDS23101J) Lab Manual BCA DS 1st Sem

Lab Manual BCA Even Sem

- 1 Data Structures and Algorithms (USA24201J) Lab Manual BCA 2nd Sem 2024-25
- 2 Object Oriented Programming (UCA24202J) Lab Manual BCA 2nd Sem 2024-25
- 3 Web Technology (UCA24M01J) Lab Manual BCA 2nd Sem 2024-25

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- 1 Digital Logic Design (UCA24101J) Lab Manual BCA 1st Sem 2024-25
- 2 Programming for Problem Solving (USA24102J) Lab Manual BCA 1st Sem 2024-25

Lab Manual BSc CS Even Sem

- 1 COMPUTER NETWORKS (USA23602J) BSc CS 6th Sem 2023-24
- 2 COMPUTER VISION FUNDAMENTALS (UCS23G04J) BSc CS 6th Sem 2023-24
- 3 CONTENT MANAGEMENT SOFTWARE (UCS23S04J) BSc CS 4th Sem 2023-24
- 4 ENTERPRISE JAVA PROGRAMMING (UCS23401J) BSc CS 4th Sem 2023-24
- 5 Fundamentals of Data Structures and Algorithms (USA23202J) BSc CS 2nd Sem 2023-24
- 6 HTML PROGRAMMING (UCS23G02J) BSc CS 4th Sem 2023-24
- 7 MACHINE LEARNING (UCS23D04J) BSc CS 6th Sem 2023-24
- 8 OBJECT ORIENTED PROGRAMMING (USA23201J) BSc CS 2nd Sem 2023-24
- 9 OPERATING SYSTEMS (USA23402J) BSc CS 4th Sem 2023-24
- 10 PYTHON PROGRAMMING (UCS23601J) BSc CS 6th Sem 2023-24
- 11 SERVICE ORIENTED ARCHITECTURE (UCS23D03J) BSc CS 6th Sem 2023-24

Lab Manual BSc CS Odd Sem

- 1 ADVANCED EXCEL FOR DATA ANALYTICS (UCS23S03L) BSc CS 3rd Sem 2023-24
- 2 ARTIFICIAL INTELLIGENCE (UCS23D01J) BSc CS 5th Sem 2023-24
- 3 CLOUD COMPUTING (UCS23D02J) BSc CS 5th Sem 2023-24
- 4 DATA VISUALIZATION TOOL (UCS23S05J) BSc CS 5th Sem 2023-24
- 5 DATABASE MANAGEMENT SYSTEM (USA23302J) BSc CS 3rd Sem 2023-24
- 6 DESIGN AND ANALYSIS OF ALGORITHMS (UCS23502J) BSc CS 3rd Sem 2023-24
- 7 DIGITAL LOGIC FUNDAMENTALS (USA23102J) BSc CS 1st Sem 2023-24
- 8 INTERNET PROGRAMMING (UCS23501J) BSc CS 5th Sem 2023-24
- 9 INTRODUCTION TO DATA SCIENCE (UCS23G03J) BSc CS 5th Sem 2023-24
- 10 Office Automation Tool (UCS23G01J) BSc CS 3rd Sem 2023-24
- 11 Programming for Problem Solving (USA23101J) BSc CS 1st Sem 2023-24
- 12 PROGRAMMING IN JAVA (USA23301J) BSc CS 3rd Sem 2023-24

Lab Manual MCA Even Sem

- 1 ANDROID APPLICATIONS DEVELOPMENT (PCA20D04J) Lab Manual MCA 2nd Sem 2020-21
- 2 COMPUTER NETWORKS (PCA20C05J) Lab Manual MCA 2nd Sem 2020-21
- 3 DATA ANALYSIS USING R (PCA20S02J) Lab Manual MCA 2nd Sem 2020-21
- 4 PROGRAMMING USING C# (PCA20D05J) Lab Manual MCA 2nd Sem 2020-21
- 5 PYTHON PROGRAMMING (PCA20C04J) Lab Manual MCA 2nd Sem 2020-21
- 6 SOFTWARE TESTING (PCA20D06J) Lab Manual MCA 2nd Sem 2020-21

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- 1 ADVANCED WEB APPLICATION DEVELOPMENT (PCA20D01J) Lab Manual MCA 1st Sem 2020-21
- 2 ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (PCA20D07J) Lab Manual MCA 3rd Sem 2020-21
- 3 CLOUD COMPUTING (PCA20D08J) Lab Manual MCA 3rd Sem 2020-21
- 4 CYBER SECURITY (PCA20D02J) Lab Manual MCA 1st Sem 2020-21
- 5 DATABASE TECHNOLOGY (PCA20C03J) Lab Manual MCA 1st Sem 2020-21
- 6 INTERNET OF THINGS (IoT) (PCA20D09J) Lab Manual MCA 3rd Sem 2020-21
- 7 IT INFRASTRUCTURE MANAGEMENT (PCA20S01L) Lab Manual MCA 1st Sem 2020-21
- 8 OBJECT ORIENTED ANALYSIS AND DESIGN (PCA20C07J) Lab Manual MCA 3rd Sem 2020-21
- 9 OPERATING SYSTEM (PCA20C02J) Lab Manual MCA 1st Sem 2020-21
- 10 PROGRAMMING USING JAVA (PCA20C01J) Lab Manual MCA 1st Sem 2020-21
- 11 SOFTWARE ENGINEERING (PCA20D03J) Lab Manual MCA 1st Sem 2020-21

Lab Manual MCA GAI Even Sem

- 1 Android Applications Development (PGI20D09J) MCA GAI 2nd Sem 2020-21
- 2 Augmented Reality and Virtual Reality for Game Development (PGI20D11J) MCA GAI 2nd Sem 2020-21
- 3 Data Engineering and Knowledge Representation (PGI20D07J) MCA GAI 2nd Sem 2020-21
- 4 Deep Neural Networks (PGI20C05J) MCA GAI 2nd Sem 2020-21
- 5 Introduction to Robotics Automation (PGI20D08J) MCA GAI 2nd Sem 2020-21
- 6 IOT Cloud Infrastructure and IOT Protocols (PGI20D10J) MCA GAI 2nd Sem 2020-21
- 7 Python Programming for Data Science (PGI20C04J) MCA GAI 2nd Sem 2020-21
- 8 WorAdvanced Techniques in Generative AI with Open AI Models (Lab Google Generative AI Studio) (PGI20S02J) MCA GAI 2nd Sem 2020-21
- 9 Working with Generative AI and Large Language Models (PGI20D12J) MCA GAI 2nd Sem 2020-21

Lab Manual MCA GAI Odd Sem

- 1 Adaptive AI in Data Analytics and Predictive Modeling (PGI20D13J) Lab Manual MCA GAI 3rd Sem 2020-21
- 2 Advanced Database Technology (PGI20C02J) Lab Manual MCA GAI 1st Sem 2020-21
- 3 Artificial Intelligence and Machine Learning (PGI20D02J) Lab Manual MCA GAI 1st Sem 2020-21
- 4 Artificial Intelligence and Machine Learning for Robotics (PGI20D14J) Lab Manual MCA GAI 3rd Sem 2020-21
- 5 Building Conversational AI for Human Resources (PGI20D18J) Lab Manual MCA GAI 3rd Sem 2020-21
- 6 Computer Vision in Smart Robotics (PGI20D17J) Lab Manual MCA GAI 3rd Sem 2020-21
- 7 Foundations of Data Science (PGI20D01J) Lab Manual MCA GAI 1st Sem 2020-21
- 8 Full Stack Development (PGI20D15J) Lab Manual MCA GAI 3rd Sem 2020-21
- 9 Fundamentals of Generative AI and Working with Open AI (PGI20C03J) Lab Manual MCA GAI 1st Sem 2020-21
- 10 Intelligent Internet of Things (IIoT) (PGI20D04J) Lab Manual MCA GAI 1st Sem 2020-21
- 11 IoT Devices with Computer Vision Technologies (PGI20D16J) Lab Manual MCA GAI 3rd Sem 2020-21
- 12 Natural Language Processing (PGI20D06J) Lab Manual MCA GAI 1st Sem 2020-21
- 13 Object Oriented Analysis and Design (PGI20C07J) Lab Manual MCA GAI 3rd Sem 2020-21

- 14 Object Oriented Programming using Java (PGI20C01J) Lab Manual MCA GAI 1st Sem 2020-21
- 15 Prompt Engineering in Generative AI (Lab Google Generative AI Studio) (PGI20S01J) Lab Manual MCA GAI 1st Sem 2020-21
- 16 Web Application Development (PGI20D03J) Lab Manual MCA GAI 1st Sem 2020-21
- 17 Blockchain Technology (PGI20G01J) MCA GAI 3rd Sem 2020-21
- 18 Building GPT Powered Business Applications (PGI20G06J) MCA GAI 3rd Sem 2020-21
- 19 Cognitive Analytics Tools and Techniques (PGI20G05J) MCA GAI 3rd Sem 2020-21
- 20 Cyber Security (PGI20G02J) MCA GAI 3rd Sem 2020-21
- 21 Development of Health Care Generative AI (Lab Google Generative AI Studio) (PGI20G07J) MCA GAI 3rd Sem 2020-21
- 22 Mobile Communication Network (PGI20G03J) MCA GAI 3rd Sem 2020-21
- 23 Quantum Machine Learning (PGI20G04J) MCA GAI 3rd Sem 2020-21