



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

III B.TECH I SEMESTER CSE -A,B,C

DATA ANALYTICS

ACADEMIC YEAR 2024-2025

QUESTION BANK:

1. Explain the data architecture with neat sketch?
2. Describe the source of primary data?
3. Write about the application of modeling business?
4. Describe the databases&types of data and variables with examples?
5. Define Regression and discuss about Linear Regression with examples?
6. Write about the various sources of data?
7. Discuss about the data modeling techniques?
8. Write about the application of modeling business?
9. What is data preprocessing? Explain different techniques.
10. What is data analytics? Explain Different stages of business analytics
11. What is a time series, and what are its key components?
12. Describe the importance of time series analysis in data analytics.
13. What are the differences between additive and multiplicative time series models?
14. Explain the concept of stationarity in time series analysis.
15. What are some common methods for time series forecasting?



16. How does the ARIMA model work, and what are its components?
17. What is seasonal decomposition of time series, and how is it performed?
18. Explain how to evaluate the accuracy of time series forecasts.
19. What is the role of autocorrelation in time series analysis?
20. Explain Geometric projection Visualization Techniques?
21. Explain Hierarchical Visualization Techniques?
22. Explain Pixel-oriented Visualization Techniques?
23. Explain Icon-Based Visualization Techniques?
24. Discuss about the visualizing complex data and relations?
25. What is Data visualization?