



**LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)**

L.B. REDDY NAGAR, MYLAVARAM – 521230. A.P. INDIA
Affiliated to JNTUK Kakinada & Approved by AICTE, New Delhi
Accredited By NAAC, Accredited By NBA Tier-I & Certified by ISO 9001:2015
<http://www.lbrce.ac.in>, Phone: 08659 – 222933, Fax: 08659 – 222931 Extn:109

DEPARTMENT OF INFORMATION TECHNOLOGY

Examination : B.Tech, V Semester
Course name : Real Time Operating System
Faculty : Dr. Anupriya Koneru

Branch : IT
Course code : 17IT90
A.Y : 2021-22

UNIT-IV

1. Identify the requirements of Deadlock.
2. Illustrate deadlock modelling
3. List the techniques for preventing deadlock during the design
4. Demonstrate the techniques for preventing deadlock during the design
5. Explain the Deadlock detection methods
6. How to recover the tasks from the deadlock?
7. Illustrate the Deadlock avoidance
8. What are the strategies to handle Deadlocks?
9. Classify the communications in detail.
10. Illustrate the solutions for communication in detail.
11. Discuss the Priorities of messages during communication.
12. Explain the Synchronization techniques during communication
13. What is the purpose of the election algorithms?
14. Illustrate the Bully election algorithm.
15. Illustrate the Ring election algorithm.
16. Identify the weakness in the Bully algorithm
17. Mention the reasons for queuing delay when a message is sent over Network communications
18. Differentiate Deadlock and Starvation

Course Instructor
Dr.K. Anupriya

Module Coordinator
Dr.K.Lavanya

HOD
Dr.B.Srinivasrao