

**KUMARAGURU COLLEGE OF TECHNOLOGY
COIMBATORE-641049**

(An autonomous institution affiliated to anna university)

Department of electronics and communication engineering

Practical examination January 2014

Date: 06.01.2014

Course and branch : I M.E Applied Electronics

Semester : First

Subject code and name: P13AE 101 Embedded Systems Lab

1. Write a C program to compute linear convolution for a sequence using DSP processor.
2. Write a C program to compute circular convolution for a sequence using DSP processor.
3. Write a C program to compute auto correlation convolution for a sequence using DSP processor.
4. Write a C program to compute DFT for a sequence using DSP processor.
5. Write a C program to compute IDFT for a sequence using DSP processor.
6. Write a C program to compute cross correlation convolution for a sequence using DSP processor.
7. Write a C program to interface an LCD display with ARM processor.
8. Write a C program to interface a stepper motor with ARM processor.
9. Write a C program to interface an ADC with ARM processor.
10. Write a C program to interface an LED with ARM processor.
11. Write a C program to interface a matrix keyboard with ARM processor.
12. Write a C program to compute linear convolution for a sequence using DSP processor.
13. Write a C program to compute circular convolution for a sequence using DSP processor.
14. Write a C program to compute auto correlation convolution for a sequence using DSP processor.
15. Write a C program to interface an LCD display with ARM processor.
16. Write a C program to interface a stepper motor with ARM processor.
17. Write a C program to interface an ADC with ARM processor.

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Table of Contents Embedded Systems Previous Question Papers

1. Understanding the eBook Embedded Systems Previous Question Papers
 - The Rise of Digital Reading Embedded Systems Previous Question Papers
 - Advantages of eBooks Over Traditional Books
2. Identifying Embedded Systems Previous Question Papers
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Embedded Systems Previous Question Papers
 - User-Friendly Interface
4. Exploring eBook Recommendations from Embedded Systems Previous Question Papers
 - Personalized Recommendations
 - Embedded Systems Previous Question Papers User Reviews and Ratings
 - Embedded Systems Previous Question Papers and Bestseller Lists
5. Accessing Embedded Systems Previous Question Papers Free and Paid eBooks
 - Embedded Systems Previous Question Papers Public Domain eBooks
 - Embedded Systems Previous Question Papers eBook Subscription Services
 - Embedded Systems Previous Question Papers Budget-Friendly Options
6. Navigating Embedded Systems Previous Question Papers eBook Formats
 - ePub, PDF, MOBI, and More
 - Embedded Systems Previous Question Papers Compatibility with Devices
 - Embedded Systems Previous Question Papers Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Embedded Systems Previous Question Papers
 - Highlighting and Note-Taking Embedded Systems Previous Question Papers
 - Interactive Elements Embedded Systems Previous Question Papers
8. Staying Engaged with Embedded Systems Previous Question Papers

- Joining Online Reading Communities
- Participating in Virtual Book Clubs
- Following Authors and Publishers Embedded Systems Previous Question Papers
- 9. Balancing eBooks and Physical Books Embedded Systems Previous Question Papers
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Embedded Systems Previous Question Papers
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Embedded Systems Previous Question Papers
 - Setting Reading Goals Embedded Systems Previous Question Papers
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Embedded Systems Previous Question Papers
 - Fact-Checking eBook Content of Embedded Systems Previous Question Papers
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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