

**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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