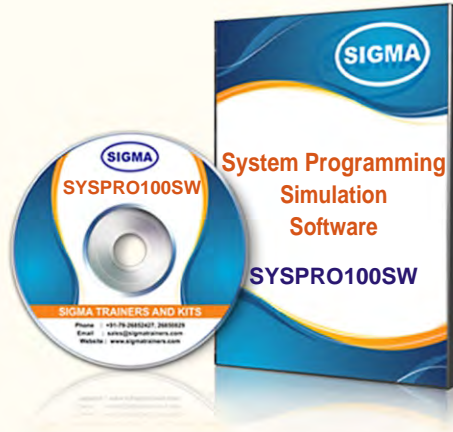




# SYSTEM PROGRAMMING SIMULATION SOFTWARE TRAINER

MODEL - SYSPRO100SW

This Software trainer provides Simulation of System Programming in MATLAB.



## FEATURES

1. Study of the detailed theory of System Programming .
2. Simulation of System Programming in MATLAB.

**Note: - Matlab Software Version 7 or greater is required to this simulations.**

## SPECIFICATIONS

1. System Programming Simulation Software : One
2. C Simulation .m files : more than 20 Files
3. **Books for System Programming : 10 Nos in pdf Format**
4. **Mp4 Video Class for System Programming : 40 Classes in Mp4 on Pen Drive**

## EXPERIMENTS

1. Write C Program to implement Lexical Analyzer for simple arithmetic operation which creates output tables (Uniform Symbol Table or a. Identifier Table b. Literal Table c. Symbol Table)
2. Design of PASS I of two pass assembler for pseudo machine code.
3. Design of a MACRO PASS-I
4. Implement Job scheduling algorithms: FCFS, SJF
5. Implement Bankers Algorithm for deadlock detection and avoidance
6. Implementation of page replacement algorithm: FIFO / LRU
7. Write an shell scripting on UNIX / LINUX
8. Case Study
  - a. Android mobile operating system
  - b. Study of System calls to list files, directories
  - c. Study of System calls to handles process
  - d. Basic Linux Commands

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