



**Sunbeam Institute of Information Technology**  
**Pune and Karad**

## **Module - Embedded C Programming**

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1. Embedded C Programming
2. Data structures and Algorithms
3. Microcontroller Programming and Interfacing (ARM / RISC V)
4. Embedded Operating System (Linux programming)
5. Real Time Operating System (FreeRTOS)
6. Embedded Linux Device Driver
7. Internet of Things (IoT)
8. Aptitude and Effective Communication
9. Project

## Evaluations :

1. Internal - 20 marks
2. Lab - 40 marks
3. Theory - 40 marks (MCQ)

Passing : 40 %

## Windows

file  
folders  
Administrator  
admin

Disk0, Disk1, ...

C:, D:, E:, ...

C:	D:	E:
Windows OS		

## Linux

file  
directory  
Super User  
root

/dev/sda, /dev/sdb, ...

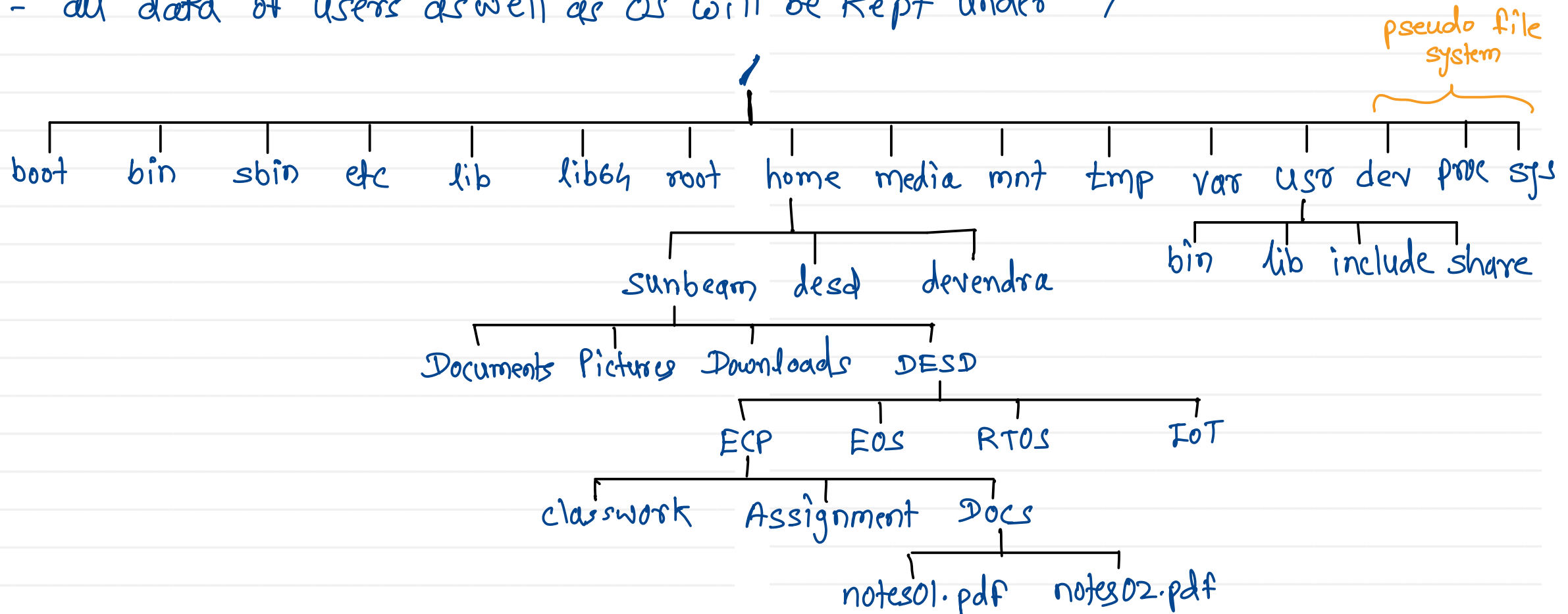
/dev/sda1, /dev/sda2, ...

/dev/sda1	/dev/sda2	/dev/sda3
Linux OS	swap area	

Root  
partition

# Linux - Root file structure

- Linux follows "root file structure"
- starting point is root & identified by "/"
- all data of users as well as OS will be kept under "/"



## 1. Absolute Path :

- always starts with '/'

/home/sunbeam/DESD/ECP/Docs/notes01.pdf

## 2. Relative path :

- always starts wrt current/present working directory

ECP/Docs/notes01.pdf



Thank you!!!

Devendra Dhande

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