

**P.B COLLEGE OF ENGINEERING**

(Approved by AICTE, New Delhi & Affiliated to Anna University Chennai)

Chennai - Bangalore Highway, Sriperumbudur Taluk, Chennai - 602117

**Day 09 – System Inventory Report Generator**

**Generate a report summarizing system info such as disk usage, memory, CPU, and running processes.**

Name: Arulmani R Department: IT

* **REPORT\_FILE=~/system\_report\_$(date +"%Y-%m-%d\_%H-%M-%S").txt  
  → Creates a file with today’s date & time in the name.**
* **df -h → Shows disk usage (human-readable format like GB/MB).**
* **free -h → Shows RAM usage (used, free, available).**
* **lscpu → Lists CPU details (model, cores, speed).**
* **ps -eo pid,comm,%cpu,%mem --sort=-%cpu | head -n 11  
  → Shows top 10 processes sorted by CPU usage.**
* **>> $REPORT\_FILE → Means "append output into the report file".**







