Instructions for Operating Systems Report Fall 24-25

General Description

Each student will write around one page in handwriting about the subject assigned to him/her under the video/topic assigned to the team.

Practical Work

1. From the Videos under the title "Introduction to Operating Systems" in the link below https://www.youtube.com/@introductiontooperatingsys8608/videos
2. Watch fully the video/Lecture assigned to your group
3. Discuss with your team the general concepts and understanding
4. Write in handwriting your report and submit the paper in office no. 313.

No	Student	Video Lecture Name	Subjects
1	Abdulrahman Hassan Zakarya	#5 Sharing the CPU	Sharing the CPU
2	Adam Muhammed Saber		When OS supports Multitasking
3	Ahmed Ashti Ahmed		Multiprocessors
4	Ahmed Mahdi Ahmed	#6 Memory Management Introduction	Single Contiguous Model
5	Ahmed Muayad Maghdid		Partition model
6	Ali Dlshad Rostam		Fragmentation
7	Ali Muhammed Ahmed		Algorithms
8	Arman Beshr Ahmed		Deallocation
9	Asaad Wajd Asaad	#7 Virtual Memory	Virtual memory
10	Avan Jamil Kakil		Process Page Tables
11	Aya Halmat Zyad		Demand Paging
12	Bahjat Dedar Kakamin		Swap out
13	Bayar Bashdar Majid Khudhir		Protection bits
14	Blnd Jamel Sabri	#9 Segmentation	Address mapping with Segmentation
15	Chalak Barzan Hadi Mawlood		Segment Descriptor
16	Chenar Farhad Othman		Linear to Physical Address
17	Eleka Ardalan Muhammed Abubakir	#10 PC Booting	BIOS
18	Emma Rebar Mamek		MBR
19	Fahid Ihsan Sdeeq		Boot Loader
20	Farshad Fathi Hamad	#15 Interrupts	OS & Events
21	Fenik Hussin Jumaa		Event Types
22	Hazhir Mamand Ahmed Dot Mala		Interrupts in Legacy CPUs
23	Kaiwan Kakl Hassan	#18 CPU Context Switching	The Timer Interrupts
24	Lava Ahmed Mohammed		Context Switching Overhead
25	Mahmood Emad Mohammed	#21 Multi-Processor Scheduling	Symmetrical Scheduling
26	Mahmood Raid Nasih		Hybrid Approach
27	Matin Guli		Load Balancing
28	Mawa Sarkawt Muhtasm	#8 MMU Mapping	Addressing the Process
29	Mazen Mowaffak Al Seh		MMU Mapping in 32 bit Systems
30	Mazn Hassan Ehsan		2 Level Page Translation
31	Mohammad Sudad Nashat	#24 Inter Process Communication	Virtual Memory View
32	Muhammed Hamid Abd		Shared memory in Linux
33	Muhammed Kakakhan Ahmed Bakr		Message Passing
34	Mustafa Salim Sharif	#32 Deadlocks	Introduction
35	Najla Salah Fatah		Resource Allocation Graph
36	Noor Muhammedamin Osman		Conditions for Resource Deadlocks
37	Rawan Bestun Kareem	#37 Information Flow Policies	Information Flow Policies
38	Rebar Shamal Mamand		Examples
39	Rozhin Muhammad Mustafa		Mandatory Access Control
40	Safa Kamaran Salih	#30 Semaphores	Producer Consumer Problem
41	Sahand Fahmi Mustafa		Example
42	Sarwat Shukri Hamo		Semaphores
43	Shad Abdullah Hussein	#34 Threads - Part 1	Threads
44	Shanaz Khalil Kareem Majeed		Execution Context
45	Sivar Edres Hamad	#35 Threads Part 2	Who manages Threads-User Threads
46	Staish Farhan Asaad		Kernel Threads
47	Sufyan Safen Mustafa		Threading Issus
48	Yaran Dlman Ebrahim		Typical Usage of threads