**Operating Systems - Unit 1 You tube Link Details**

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| **S.No** | **Staff Name** | **Portion for Preparation** | **YouTube Link** |
| 1 | Dr.S.Aruna | Operating System Objectives and functions | <https://youtu.be/Q68Fmm-il2o> |
| Gaining the role of Operating systems |  |
| The evolution of operating system, Major Achievements  Understanding the evolution of Operating systems from early batch processing systems to modern complex systems | https://youtu.be/TH0mmp\_yUIo |
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| 2 | Dr. A.SARANYA | OS Design considerations for Multiprocessor and Multicore  Understanding the key design issues of Multiprocessor Operating systems and Multicore Operating systems |  |
| 3 | Dr.M.Maheswari | PROCESS CONCEPT– Processes, PCB  Understanding the Process concept and Maintenance of PCB by OS | <https://youtu.be/16SAw9-FVS>4 |
|
| Threads – Overview and its Benefits  Understanding the importance of threads |  |
|
| 4 | Dr.A.K.Reshmy | Scheduling Queues, Schedulers | <https://youtu.be/27wGHicPys8> |
| Understanding basics of Process scheduling |  |
| Operations on Process – Process creation, Process termination |  |
| Understanding the system calls – fork(), wait(), exit() |  |
| 5 | Dr.Kanipriya.M | Inter Process communication: Shared Memory, Message Passing, Pipe()  Understanding the need for IPC | <https://youtu.be/oH8ixeFx1V0> |
| PROCESS SYNCHRONIZATION: Background, Critical section Problem |  |
| Understanding the race conditions and the need for the Process synchronization |  |