

Experiment Schedule

Week	Roadmap Stages	Concepts Involved
1	1-5	Preliminary Experiment set I: Bootstrap, Familiarization with machine architecture and assembler, Running programs in privileged mode.
2	6-11	Preliminary Experiment set II: Running programs in user mode, paging and address translation
3	12-14	Multiprogramming and scheduling.
4	15-17	Console handling, Introduction to Resource and Memory Allocation, Program loading, Shell Version I
5,6	18-20	Process management – Completion of Fork, Exec and Exit system calls, Shell Version II
7	21-22	System Calls for Process synchronization (Implementation of Signal-Wait and Semaphore system calls)
8,9	23-25	File System implementation (Implementation of Create, Delete, Open, Close, Read Write and Seek System Calls)
10	26	Managing Users, Login and Access Permissions, Shell - Final Version
11,12	27	Swap Memory Management, Demand Paging.

Note: Approximately 10-15 hours of work per week will be needed on the average to complete the full project in nearly 12-10 weeks.