**15B11CI412\_Operating System and Systems Programming**

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| **Week** | **From** | **To** | **Task** |
| 1 | 28-July | 29-July | Lab Assignment – 01(Practice) |
| 2 | 31-July | 5-Aug | Lab Assignment –01 (Practice)&02 (Unix Commands) |
| 3 | 7-Aug | 12-Aug | Lab Assignment - (Process creation/ Inter process communication (IPC)) |
| 4 | 14-Aug | 19-Aug | Lab Assignment–(Processes creation using pthread library under Linux environment- Part1) |
| 5 | 21-Aug | 26-Aug | **Evaluation - 01 (Unix Commands+Process Creation/IPC)**  **(15 Marks - 2 questions (CO1 (10marks) & CO2 (5marks))**  **2) Lab Project discussion and Teams Finalization** |
| 6 | 28-Aug | 2-Sep | Lab Assignment– (Processes creation using pthread library under Linux environment- Part2) |
|  | 4 Sep | Monday | **B7,8 (Buffer)** |
| 7 | 5-Sep | 12-Sep | **T1-Exam** |
| 8 | 13Sep | 16-Sep | B1-6,9-12,14,15 (Buffer) |
| 9 | 18-Sep | 23-Sep | Lab Assignment - Synchronization techniques like semaphores, binary semaphore and monitors via different classical test suites. (Part 1) |
| 10 | 25-Sep | 30-Sep | Lab Test 1 (Processes creation using pthread library under Linux environment+ Synchronization (Part 1)  **(60 Minutes - 20 Marks - 2 questions** (CO2(10 Marks)+CO4(10 Marks)) |
| 11 | 2-Oct | 7-Oct | Lab Assignment - Lab Assignment - Synchronization techniques like semaphores, binary semaphore and monitors via different classical test suites. (Part 2) |
| **12** | 9-Oct | 14-Oct | **Evaluation - 02(Synchronization)**  **(CO4(15 Marks))** |
| 13 | 16-Oct | 21-Oct | **T2-Exam** |
| 14 | 23-Oct | 28-Oct | Lab Assignment - Resource management task like CPU scheduling algorithms, deadlock handling. |
| 15 | 30-Oct | 4-Nov | Disk-scheduling algorithms, memory management schemes, file management systems. |
| 16 | 6-Nov | 11-Nov | **Buffer Lab** |
| 17 | 13-Nov | 18-Nov | **Lab Test – 02 (13 NovMon -holiday –So batches scheduled on Mon will have Lab test -2 on 20th Nov)**  **(60 Minutes - 20 Marks - 2 questions (CO3 (10 marks) & CO5 (10 marks))** |
| 18 | 20-Nov | 25-Nov | **Projects Evaluation**  **(CO1-5/PBL, 20 Marks, to be conducted by Faculty of corresponding Lab)--- Course Exit Survey** |
| 19 | 27-Nov | 1-Dec | **Projects Eval (pending)**+New OS (Lab) |
| 20. | 4-Dec | 12-Dec | End Sem Exams |