**Lesson Plan**

**Name of the Teacher: Ms. Hina Class: B.Voc (SD)-I, sem-II**

**Subject: Operating System Paper: BVSD 13**

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| **S No** | **Period** | **Topics to be Covered** | **Academic Activity to be Organized** |
|  | **17-31 July 2017** | Introductory Concepts: Operating System Functions and Characteristics, Historical Evolution of Operating Systems, Real Time Systems, Distributed Systems, | **Group Discussion** |
|  | **01-31 Aug 2017** | Process Management: Introduction, Definition of Process, Process States, Process States Transition, Process Control Block, Operations on Processes, Suspend and Resume, Interrupt Processing. | **On Board Presentations on different topics** |
|  | **01-30 Sept 2017** | CPU Scheduling: Scheduling Criteria, Levels of Scheduling, Scheduling Algorithms, Multiple Processor Scheduling.Methodologies for Implementation of O/S Service System Calls, System Programs. | **Practical question solutions given by students to class** |
|  | **01-31 Oct 2017** | Storage Management: Memory Management of Single-user and Multiuser Operating System, Partitioning, Swapping,Paging and Segmentation, Virtual Memory, Page Replacement Algorithms, Thrashing.Device Management: I/O Hardware, Application I/O Interface, Kernel I/O Subsystem, Transforming I/O to Hardware Operation, Streams. | **Class level Quiz** |
|  | **01-13 Nov 2017** | Disk Scheduling, Disk Structure, Disk Managements. Swap-Space Management. | **20 mint written test on random topic given on previous day** |

**Topics of Assignments/ Class Tests to be given to the Students:**

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| **Assignment 1** | Process States, Process Control Block, Operations on Processes |
| **Assignment 2** | Page Replacement Algorithms |
| **Class Test** | **Sessional Test: Unit II**  **Class tests: Different Topics on random days** |