

**Atal Bihari Vajpayee Govt Institute of Engineering & Technology**  
**Pragatinagar, Shimla (H.P.) – 171202**

**DEPARTMENT OF COMPUTER ENGINEERING**

**LESSON PLAN**

|                            |                                                           |
|----------------------------|-----------------------------------------------------------|
| Academic Year              | 2026-2027                                                 |
| Semester                   | 3rd                                                       |
| Course Code                | ITPC217                                                   |
| Course Title               | Operating Systems Lab                                     |
| Name of Faculty            | Sweety Rangta                                             |
| Semester Start & End Dates | 03.08.2026 to 28.11.2026                                  |
| Practical Schedule         | Group 1: Tuesday & Saturday   Group 2: Wednesday & Friday |

**Course Outcomes:**

After completing this course, students will be able to practically demonstrate the prescribed experiments related to operating systems.

**Detailed Practical Lesson Plan – Group 1**

**Practical Days:** Tuesday & Saturday

| Day    | Experiment / Topic | Experiment Objective / Details                                                                                              | Proposed Date | Actual dates | Delivery Method      |
|--------|--------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------|--------------|----------------------|
| Day 1  | Experiment 1       | To install and configure MS Windows 10/11 on a computer system.                                                             | 04.08.2026    |              | Practical / Hands-on |
| Day 2  | Experiment 1       | To install and configure MS Windows 10/11 on a computer system.                                                             | 08.08.2026    |              | Practical / Hands-on |
| Day 3  | Experiment 2       | To install and configure Linux on a computer system.                                                                        | 11.08.2026    |              | Practical / Hands-on |
| Day 4  | Experiment 2       | To install and configure Linux on a computer system.                                                                        | 18.08.2026    |              | Practical / Hands-on |
| Day 5  | Experiment 3       | To get familiar with the Windows 10/11 graphical user interface.                                                            | 22.08.2026    |              | Practical / Hands-on |
| Day 6  | Experiment 3       | To get familiar with the Windows 10/11 graphical user interface.                                                            | 25.08.2026    |              | Practical / Hands-on |
| Day 7  | Experiment 4       | To get familiar with Windows 10/11 directory structure and role of each directory.                                          | 29.08.2026    |              | Practical / Hands-on |
| Day 8  | Experiment 4       | To get familiar with Windows 10/11 directory structure and role of each directory.                                          | 01.09.2026    |              | Practical / Hands-on |
| Day 9  | Experiment 5       | To get familiar with Linux directory structure and role of each directory.                                                  | 05.09.2026    |              | Practical / Hands-on |
| Day 10 | Experiment 5       | To get familiar with Linux directory structure and role of each directory.                                                  | 12.09.2026    |              | Practical / Hands-on |
| Day 11 | Experiment 6       | To get conversant with various operations on files and folders in Windows 10/11.                                            | 15.09.2026    |              | Practical / Hands-on |
| Day 12 | Experiment 6       | To get conversant with various operations on files and folders in Windows 10/11.                                            | 19.09.2026    |              | Practical / Hands-on |
| Day 13 | Experiment 7       | To connect a computer to the LAN/WiFi network and Internet in Windows 10/11 and demonstrate file transfer and remote login. | 22.09.2026    |              | Practical / Hands-on |
| Day 14 | Experiment 7       | To connect a computer to the LAN/WiFi network and Internet in                                                               | 26.09.2026    |              | Practical / Hands-on |

|        |                                    |                                                                                           |            |  |                        |
|--------|------------------------------------|-------------------------------------------------------------------------------------------|------------|--|------------------------|
|        |                                    | Windows 10/11 and demonstrate file transfer and remote login.                             |            |  |                        |
| Day 15 | Experiment 8                       | To carry out basic file operations using command prompt/terminal in Windows 10/11.        | 29.09.2026 |  | Practical / Hands-on   |
| Day 16 | Experiment 8                       | To carry out basic file operations using command prompt/terminal in Windows 10/11.        | 03.10.2026 |  | Practical / Hands-on   |
| Day 17 | Experiment 9                       | To get familiar with various components of the Control Panel in Windows 10/11.            | 10.10.2026 |  | Practical / Hands-on   |
| Day 18 | Experiment 9                       | To get familiar with various components of the Control Panel in Windows 10/11.            | 13.10.2026 |  | Practical / Hands-on   |
| Day 19 | Experiment 10                      | To get conversant with various shortcut keys in Windows 10/11 to carry out various tasks. | 17.10.2026 |  | Practical / Hands-on   |
| Day 20 | Experiment 10                      | To get conversant with various shortcut keys in Windows 10/11 to carry out various tasks. | 24.10.2026 |  | Practical / Hands-on   |
| Day 21 | Experiment 11                      | To view and terminate running processes in Windows 10/11.                                 | 27.10.2026 |  | Practical / Hands-on   |
| Day 22 | Experiment 11                      | To view and terminate running processes in Windows 10/11.                                 | 31.10.2026 |  | Practical / Hands-on   |
| Day 23 | Experiment 12                      | To simulate FCFS and SJF scheduling algorithms in any programming language.               | 03.11.2026 |  | Practical / Hands-on   |
| Day 24 | Experiment 12                      | To simulate FCFS and SJF scheduling algorithms in any programming language.               | 07.11.2026 |  | Practical / Hands-on   |
| Day 25 | Practical Revision / Record / Viva | Revision, troubleshooting, record completion, viva preparation and doubt clearing.        | 10.11.2026 |  | Practical / Assessment |
| Day 26 | Practical Revision / Record / Viva | Revision, troubleshooting, record completion, viva preparation and doubt clearing.        | 14.11.2026 |  | Practical / Assessment |
| Day 27 | Practical Revision / Record / Viva | Revision, troubleshooting, record completion, viva preparation and doubt clearing.        | 17.11.2026 |  | Practical / Assessment |
| Day 28 | Practical Revision / Record / Viva | Revision, troubleshooting, record completion, viva preparation and doubt clearing.        | 21.11.2026 |  | Practical / Assessment |
| Day 29 | Practical Revision / Record / Viva | Revision, troubleshooting, record completion, viva preparation and doubt clearing.        | 28.11.2026 |  | Practical / Assessment |

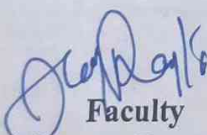


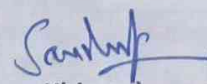
## ailed Practical Lesson Plan – Group 2

actical Days: Wednesday & Friday

| Day    | Experiment / Topic | Experiment Objective / Details                                                                                              | Proposed Date | Actual Dates | Delivery Method      |
|--------|--------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------|--------------|----------------------|
| Day 1  | Experiment 1       | To install and configure MS Windows 10/11 on a computer system.                                                             | 05.08.2026    |              | Practical / Hands-on |
| Day 2  | Experiment 1       | To install and configure MS Windows 10/11 on a computer system.                                                             | 07.08.2026    |              | Practical / Hands-on |
| Day 3  | Experiment 2       | To install and configure Linux on a computer system.                                                                        | 12.08.2026    |              | Practical / Hands-on |
| Day 4  | Experiment 2       | To install and configure Linux on a computer system.                                                                        | 14.08.2026    |              | Practical / Hands-on |
| Day 5  | Experiment 3       | To get familiar with the Windows 10/11 graphical user interface.                                                            | 19.08.2026    |              | Practical / Hands-on |
| Day 6  | Experiment 3       | To get familiar with the Windows 10/11 graphical user interface.                                                            | 21.08.2026    |              | Practical / Hands-on |
| Day 7  | Experiment 4       | To get familiar with Windows 10/11 directory structure and role of each directory.                                          | 26.08.2026    |              | Practical / Hands-on |
| Day 8  | Experiment 4       | To get familiar with Windows 10/11 directory structure and role of each directory.                                          | 02.09.2026    |              | Practical / Hands-on |
| Day 9  | Experiment 5       | To get familiar with Linux directory structure and role of each directory.                                                  | 16.09.2026    |              | Practical / Hands-on |
| Day 10 | Experiment 5       | To get familiar with Linux directory structure and role of each directory.                                                  | 18.09.2026    |              | Practical / Hands-on |
| Day 11 | Experiment 6       | To get conversant with various operations on files and folders in Windows 10/11.                                            | 23.09.2026    |              | Practical / Hands-on |
| Day 12 | Experiment 6       | To get conversant with various operations on files and folders in Windows 10/11.                                            | 25.09.2026    |              | Practical / Hands-on |
| Day 13 | Experiment 7       | To connect a computer to the LAN/WiFi network and Internet in Windows 10/11 and demonstrate file transfer and remote login. | 30.09.2026    |              | Practical / Hands-on |
| Day 14 | Experiment 7       | To connect a computer to the LAN/WiFi network and Internet in Windows 10/11 and demonstrate file transfer and remote login. | 14.10.2026    |              | Practical / Hands-on |
| Day 15 | Experiment 8       | To carry out basic file operations using command prompt/terminal in Windows 10/11.                                          | 16.10.2026    |              | Practical / Hands-on |
| Day 16 | Experiment 8       | To carry out basic file operations using command prompt/terminal in Windows 10/11.                                          | 21.10.2026    |              | Practical / Hands-on |
| Day 17 | Experiment 9       | To get familiar with various components of the Control Panel in Windows 10/11.                                              | 23.10.2026    |              | Practical / Hands-on |
| Day 18 | Experiment 9       | To get familiar with various components of the Control Panel in Windows 10/11.                                              | 28.10.2026    |              | Practical / Hands-on |
| Day 19 | Experiment 10      | To get conversant with various shortcut keys in Windows 10/11 to carry out various tasks.                                   | 30.10.2026    |              | Practical / Hands-on |
| Day 20 | Experiment 10      | To get conversant with various shortcut keys in Windows 10/11 to carry out various tasks.                                   | 04.11.2026    |              | Practical / Hands-on |
| Day 21 | Experiment 11      | To view and terminate running                                                                                               | 06.11.2026    |              | Practical / Hands-on |

|        |                                    |                                                                                    |            |  |                        |
|--------|------------------------------------|------------------------------------------------------------------------------------|------------|--|------------------------|
|        |                                    | processes in Windows 10/11.                                                        |            |  |                        |
| Day 22 | Experiment 11                      | To view and terminate running processes in Windows 10/11.                          | 11.11.2026 |  | Practical / Hands-on   |
| Day 23 | Experiment 12                      | To simulate FCFS and SJF scheduling algorithms in any programming language.        | 13.11.2026 |  | Practical / Hands-on   |
| Day 24 | Experiment 12                      | To simulate FCFS and SJF scheduling algorithms in any programming language.        | 18.11.2026 |  | Practical / Hands-on   |
| Day 25 | Practical Revision / Record / Viva | Revision, troubleshooting, record completion, viva preparation and doubt clearing. | 20.11.2026 |  | Practical / Assessment |
| Day 26 | Practical Revision / Record / Viva | Revision, troubleshooting, record completion, viva preparation and doubt clearing. | 25.11.2026 |  | Practical / Assessment |
| Day 27 | Practical Revision / Record / Viva | Revision, troubleshooting, record completion, viva preparation and doubt clearing. | 27.11.2026 |  | Practical / Assessment |

  
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