SARDAR PATEL UNIVERSITY
Vallabh Vidyanagar, Gujarat
(Reaccredited with 'A' Grade by NAAC (CGPA 3.25)
Syllabus with effect from the Academic Year 2022-2023

Bachelor of Business Administration
B.B.A (ISM) Semester-III

Course Code	UM03ABBS72	Title of the Course	Fundamentals of Operating System
Total Credits of the Course	03	Hours per Week	03 Hours

Course Objectives:	Students come to know about: ➤ General understanding of structure of modern computers . ➤ Purpose, structure and functions of operating systems . ➤ Illustration of key OS aspects by example.

Course Content		
Unit	Description	Weight age* (%)
1.	**The Operating System & User Interface:** Role of Software – Types of Software – Introduction to Operating Systems -Functions of Operating Systems – Types of Operating Systems – User Interface: Command Line & Graphical – Running Programs – Organizing Files & Folders	25 %
2.	**PC Operating Systems** Overview of: UNIX – DOS – The Macintosh Operating Systems – Windows 3.X – OS/2 Warp – Windows NT – Windows 9X – Windows 2000 –Windows XP –Windows Vista – Windows 7	25 %
3.	**Windows:** Classification of Windows Operating Systems – Features of Windows Server Operating Systems – Architecture of Windows OS – Workgroups, Domains and Active Directory – What is Active Directory – Understanding the Structure of Active Directory	25 %
4.	**Advanced Windows & Linux**	25 %

SARDAR PATEL UNIVERSITY
Vallabh Vidyanagar, Gujarat
(Reaccredited with 'A' Grade by NAAC (CGPA 3.25)
Syllabus with effect from the Academic Year 2022-2023

	Sharing, Securing and Accessing Files and Folders – Managing Printing –Backup and Recovery – Introduction to Linux Operating System & History -Features of Linux.	
...		

Teaching- Learning Methodology	➤ White Board ➤ Presentation ➤ Video ➤ Case Study

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weight age
1.	Internal Written Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Describe the general architecture of computers
2.	Describe, contrast and compare differing structures for operating systems
3.	Decome familiar (if not already) with the C language, gcc compiler, and Makefiles
…	

Suggested References:	
Sr. No.	References
1.	Windows 2000 MCSE Study System: By Alan Carter

SARDAR PATEL UNIVERSITY
Vallabh Vidyanagar, Gujarat
(Reaccredited with 'A' Grade by NAAC (CGPA 3.25)
Syllabus with effect from the Academic Year 2022-2023

2.	Linux Commands Instant Reference: By Pfaffenberger BPB Publication
3.	Introduction to Computers: By Peter Norton

On-line resources to be used if available as reference material
On-line Resources
1.https://cag.gov.in/uploads/media/introduction-to-computers-by-peter-norton-6th-ed-20210326115622.pdf
2.https://www.scribd.com/doc/50844341/Windows-2000-MCSE-Study-System-Alan-R-Carter