



BBA (Information Technology Management)

BBA (ITM) Semester-II

Course Code	UM02SEBBI03	Title of the Course	FUNDAMENTALS OF OPERATING SYSTEMS
Total Credits of the Course	2	Hours per Week	2

Course Objectives	<ul style="list-style-type: none">– Students can convenient to use an operating– To provide basic understanding of the role and functioning of an operating system.– To understand basics of various types of operating systems
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Course Content		
Unit	Description	Weightage* (%)
1.	Introduction to Operating System and Types of Operating System <ul style="list-style-type: none">– Definition – Software, Types of Software– Introduction to Operating System, Roles of Operating System, Types of Operating Systems,– User Interface, Concept of Process and Running Programs,– Files and Folders (Organizing, Attributes and Sharing),– Embedded Operating Systems– PC Operating Systems - DOS, UNIX, Macintosh, Windows NT, Windows XP, Windows Vista, Windows 7(Overview only)– Server Operating Systems - Windows 2000 Server, Windows Server 2003, Windows Server 2008– Mobile Operating Systems - Android, iOS	50
2.	Roles/Functions of Operating System and Overview of Linux OS <ul style="list-style-type: none">– Multiprocessing– Backup and Recovery– Security (Concept of User and Group, File and Folder permission, Firewall), Workgroups, Domains– Active Directory, Overview of Server Roles– Introduction to Linux– History of Linux, Features of Linux– Strengths and Weaknesses of Linux– Linux Distributions– Basic Commands of Linux (Theory only)	50

Teaching- Learning Methodology	<ul style="list-style-type: none">– Blended learning approach incorporating traditional classroom teaching and online/ICT-based teaching practices.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical 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.	Understands the different services provided by Operating System at different level
2.	They learn real life applications of Operating System in every field
3.	Able to use various operating systems with easiness

Suggested References:	
Sr. No.	References
1.	Peter Norton – “Introduction to Computers”
2.	Alan Carter – “Windows 2000 MCSE Study System”
3.	Pfaffenberger – “Linux Commands Instant Reference”
4.	Silberschatz & Galvin – “Operating System Concepts”
5.	Sumitabha Das – “UNIX Concepts and Applications”

