

Branch Name:	BCA (Bachelor of Computer Application)
Program Code:	CS101
Course Title:	Operating System
Course Code:	22-CAM105-1C
Pre-requisite Course:	Basic Knowledge of Windows OS, Hardware and Software.

Course Objective:

1. Learn Windows operating system is developed by Microsoft Corporation. Because It provides Graphical User Interface (GUI), multitasking capability to users. It also provides virtual memory management and several peripheral devices. According to statistics; about 90% of computers have migrated to Windows operating system.
2. Control Panel is a component of Microsoft Windows that provides the ability to view and change system settings.
3. It helps in adding and removing software's and hardware's, controlling user accounts, changing the accessibility setting of the computer system, changing the network settings of the system.

Teaching and Examination Scheme:

Teaching Scheme (Hours. per week)				Evaluation Scheme (Marks)								
Lecture (L)	Tutorial (T)	Practical (P)	Credit	Theory				Practical				Total
				University Assessment		Continuous Assessment		University Assessment		Continuous Assessment		
				Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	
2	-	2	3	09	25	09	25	-	-	09	25	75

Course Contents:

Sr. No	Topics	Total Hours	Weightage (%)
1	Computer Operating System: Basics of Operating System, Windows, the user interface of Windows OS, Create, Copy, Move and delete Files and Folders, Use of External memory like pen drive, CD, DVD etc., Use of Common applications.	11	25
2	Windows Setting: Control Panels, Wallpaper and Screen Savers, Setting the date and Sound, Setting External Device Like (Printer, Scanner, Wi-Fi Chip, Lan Cable etc...) Concept of menu Using Help.	11	25
3	Control Panel System and Security and Ease of Access: Security Tools Windows Update, Firewall, and System Maintenance. Ease of Access Tools Customize settings to make your computer easier to use, especially for those with accessibility needs.	10	25
4	Manage Hardware, Sound and Programs: Configure your computer's hardware and sound settings, printers, audio devices, and power options Manage your software, including installing, uninstalling, and changing default programs.	8	25

Course Learning Outcomes (CLO):

At the end of this course, the student would be able

- CLO1:** To understand the basics of Windows OS.
- CLO2:** To understand various kinds of functions for Windows OS and Settings.
- CLO3:** To implement various Types of Control Panel Settings.
- CLO4:** To apply various Changes for OS, Users and Network Level.

List of Textbooks:

- Windows7Tweaks: A Comprehensive Guide on Customizing, Increasing by Steve Sinchak
- Guide to Operating Systems by Greg Tomsho
- Windows File System Trouble shooting by MVP & Mike Halsey & Andrew Bettany
- Top100TipsforWindows10bySievers Tim

List of Reference Books:

List of Experiments:

Note: The experiment list provided beneath is for reference only. The course teacher may change/formulate it as per his/her methodology and requirement.

Practical List:

- Don't put off automatic updates
- Backup your files
- Setup Microsoft Defender properly
- Secure your Window slog in with a password (and consider logging in with Windows Hello)
- Remove software you don't need and any
- Do a permissions audit
- Check your privacy settings

Mapping of CLO, PO and PSO

Course Learning Outcomes	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CLO1	L		L	L		L	M	L	L	L					L
CLO2	L	L	M		H		L		L	L		L	M		
CLO3		L	L	L	M	H		L	L		M			L	
CLO4	L		L	L	M			L		L		L			M
CLO5															
CLO6															

H: High, M: Medium, L: Low