## Dattajirao Kadam Arts, Science and commerce College, Ichalkaranji DEPARTMENT OF B.Sc. Computer Science (2022-23)

Details of Cross Details of Cross Cutting Issues relevant with Gender Awareness, Environmental Awareness, Professional Ethics and Human Values

Sr.	Name of the	3.014.586, 2485	DA	n. Name of the Unit Gender Awareness		Details of Cross Cutting Issues relevant with				
No.	Course	Title of Paper	Sem.		Environmental Awareness	Professional Ethics	Human Values			
1	B.ScI	Problem Solving	I	Problem Solving Using Computers			History of Computers     Types of Computers	●Computers enable global communication ●Unparalleled access to knowledge		
1	D.5C1	using Computers		Control Structures and Arrays			Types of Loops     Types of Array	•Attention to Detail and Precision •Efficiency and Scalability		
2	D.Co. I	Database	I	Introduction to Database Management Systems			Basic Concepts of Database     Structure of DBMS	Accurate and reliable dat management     Secure and private data protection		
2	B.ScI	Management System		Entity Relationship and Enhanced ER Modeling			●Entity Relationships ●Entities	Pay attention to detail     Respect the complexity of data and relationships		
3	B.ScI	Programming Skills Using 'C'	П	Pointers and Functions			• Types of Loops Types of Array	Memory Management and Responsibility     Attention to Detail and Precision		
		James Comp. C		Structures and File Handling			•Structure •File Opening Mode	<ul><li>Respect for Data</li><li>Continuous Learning and Improvement</li></ul>		
4	B.ScI	Relational Database	elational atabase	Relational Data Model			Being accountable for decisions made using data and ensuring transparency.      Transparency in Data Methods and Assumptions	Ensuring accurate and truthful data representation and querying.     Responsibility for Data Impact and Consequences.		
4	B.ScI	Management System	11	Database design			Data Integrity and Accuracy.     Data Security and     Confidentiality	Integrity in Data     Representation and     Querying.		
DI	F SIGNEI	R DEMO V	ERS	Introduction to PHP Scripting	LC COLLEGE	Enchanteral	Introduction     User Defined Functions	Write accurate and precise PHP code     Develop problem-solving and resourcefulness skills		

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Sr. No.	Name of the Course		Sem.	Name of the Unit	Gender Awareness	Environmental Awareness	Professional Ethics	Human Values
5	B.ScII	PHP and MySQL	III	HTML, HTML forms and MySql connectivity			●Forms ●MySql Database	Providing clear communication and feedback in HTML forms.     Ensuring data integrity and security in MySQL connectivity.
		(Avenue of the sound)		Introduction to C++ and Basics of Object oriented Programming			Object Oriented programming Concepts     Functions	•Striving for efficiency and performance in C++ coding. •Promoting reusability and abstraction in code design.
6	B.ScII	Object Oriented Programming Using C++	III				•Class •Constructor	• Facilitating easier maintenance and evolution of software systems.
		PAGE CAMBO		Object Oriented Programming			obsent and app	•Assigning clear responsibilities to classes and methods.
	3 - 1			Information Security Management			Types of Attacks     Security Policy	Building trust with employees and customers through robust security practices.     Respecting users' personal information and privacy.
7	B.SC-II	Cyber Security Essentials-I	IV	Network Security, Access Controls, Cyber Security and Cyber Laws			Wireless Network Security     Cyber Security Laws	●Individuals and organizations can foster a culture of security awareness, responsibility, and continuous improvement.  ●Leads to more effective Network Security, Access Controls, Cyber Security,
20		grant the		MARKER ME OF THE WHILE	Asset of the second	A Section weeks	Pening moder to as a	and Cyber Law practices.
8	B.ScII	Data Structure Using C++	IV	Introduction to Data structure & Linear Data Structures: Array, OAM Stack and Queue	ARANJI ) COLLEGE	2023-25)	Stack and It's operations     Stack and It's operations	<ul><li>Ordered and disciplined data processing</li><li>Efficient and productive data management</li></ul>

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Course	Title of Paper	Sem.	Name of the Unit	Gender Awareness	Environmental Awareness	Professional Ethics	Human Values	
2 8 -10 · 3	Camer Port		Non Linear Data Structures: Linked List and Trees			•Implementation of Linked List •Trees and It's Types	Connected and interdependent data structures     Flexible and adaptable data handling	
			Introduction to java			Object-Oriented     Programming using Java     Memory Management	<ul> <li>Ensuring secure coding practices and data protection.</li> <li>Staying updated with ne Java features and advancements.</li> </ul>	
B.ScIII	Core Java	V	Object Oriented Programming using Java			Types of inheritance     Types of Polymorphism	Developers can create robust, flexible, and maintainable software solutions.     Focusing on essential features and hiding nonessential details	
	TROX VALUE		Multithreading, Exception Handling and Applets			Introduction of Exception     Thread Life Cycle	Gracefully handling unexpected errors and exceptions.      Prioritizing maintainable readable, and efficient cool.	
			Introduction to .Net			.NET Framework     Architecture     Components of .NET	•Ensuring high-quality, reliable, and maintainable code in .Net development. •Encouraging innovative problem-solving and creativity in .Net development.	
D.C. III	C4 Description	V	Object oriented Concepts			Classes and Objects     Inheritance and     Polymorphism	Assigning clear responsibilities to classes and methods.     Promote efficiency and reusability through inheritance.	
B.SCIII	C# Programming	V	ADAM A. S	COLLEG		Zuanoje iku kata ka	amough inneritance.	
	Course	B.ScIII Core Java	B.ScIII Core Java V	B.ScIII Care Java V Object Oriented Programming using Java  Multithreading, Exception Handling and Applets  Introduction to .Net  Object oriented Concepts  V Programming V	Course Title of Paper Sent. Name of the Unit Gender Awareness  Non Linear Data Structures: Linked List and Trees  Introduction to java  V Object Oriented Programming using Java  Multithreading, Exception Handling and Applets  Introduction to .Net  Object oriented Concepts  B.ScIII C# Programming V	Name of the Course   Title of Paper   Sem.   Name of the Unit   Gender Awareness   Environmental Awareness	Name of the Course  Title of Paper Course  Non Linear Data Structures: Linked List and Trees  Introduction to java  Non Linear Data Structures: Linked List and Trees  Introduction to java  Non Linear Data Structures: Linked List and Trees  Introduction to java  Non Linear Data Structures: Linked List and Trees  Introduction to java  Non Linear Data Structures: Linked List and Trees  Introduction to java  Non Linear Data Structures: Linked List and Trees  Introduction to java  Non Linear Data Structures: Linked List and Trees  Introduction to java  Non Linear Data Structures: Linked List and Trees  Introduction to java  Non Linear Data Structures: Linked List and Trees  Introduction to java  Non Linear Data Structures: Linked List and Trees  Introduction to java  Non Linear Data Structures: Linked List and Trees  Non Linear Data Structures: Linked List and Trees  Non Linear Data Structures: Linked List and Trees  Introduction to java  Non Linear Data Structures: Linked List and Trees  Non Linear Data Structures: Introduction of Linked List and Trees  Non Linear Data Structures: Introduction of Linked List and Trees  Non Linear Data Structures: Introduction of Linked List and Trees  Non Linear Data Structures: Introduction of Linked List and Trees  Non Linear Data Structures: Introduction of Linked List and Trees  Non Linear Data Structures: Introduction of Linked List and Trees  Non Linear Data Structures: Introduction of Linked List and Trees  Non Linear Data Structures: Introduction of Linked List and Trees  Non Linear Data Structures: Introduction of Linked List and Trees  Non Linear Data Structures: Introduction of Linked List and Trees  Non Linear Data Structures: Introduction of Linked List and Trees  Non Linear Data Structures: Introduction of Linked List and Trees  Non Linear Data Structures: Introduction of Linked List and Trees  Non Linear Data Structures: Introduction of Linked List and Trees  Non Linear Data Structures: Introduction of Linked List and Trees  Non Linear Data Structures: Introduction o	

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Course	Title of Paper	Sem.	Name of the Unit	Gender Awareness	Environmental Awareness	Professional Ethics	Human Values	
			Introduction to Windows Form Application Using C#			•IDE •Form Controls	Providing clear documentation and effective communication for Windows Form development.     Making ethical decisions in Windows Form	
						tyrake ratification (1)	development, considering the impact on users and society.	
			Introduction to Linux			Architecture of Linux     General Purpose Utilities	<ul> <li>Prioritizing security and privacy in Linux system administration and development.</li> <li>Ensuring transparency and accountability in Linux system configuration and</li> </ul>	
B.ScIII	LINUX Part I	V	File System, System Calls and Process			File and Directory     Manipulation commands     Process Management	<ul> <li>Prioritizing data backup and recovery in file systen management.</li> <li>Foster reliable interprocess communication</li> </ul>	
	gyaq yan		Editors and Shell Scripting			Editing Text Files     Modes of Operation	and synchronization     Thoroughly handling errors and debugging scripts.     Protecting sensitive information and maintaining privacy in editing.	
			Introduction and Conditional Statements & Looping			Working with Python     Conditional Statements & Looping	Take responsibility for coding decisions and actions     Value attention to detail, precision, and thoroughness	
B.ScIII	Python Part I	V	String Manipulation and Lists	2		•String Manipulation •Lists	Develop efficient and optimized list operations     Value organization and structure in data	
	B.ScIII	B.ScIII LINUX Part I	B.ScIII LINUX Part I V	Course  Title of Paper  Sem. Name of the Unit  Introduction to Windows Form Application Using C#  Introduction to Linux  File System, System Calls and Process  Editors and Shell Scripting  Introduction and Conditional Statements & Looping  String Manipulation and Lists	Course  Title of Paper  Sem. Name of the Unit Gender Awareness  Introduction to Windows Form Application Using C#  Introduction to Linux  File System, System Calls and Process  Editors and Shell Scripting  Introduction and Conditional Statements & Looping  String Manipulation and Lists	Title of Paper  Sem. Name of the Unit  Gender Awareness  Introduction to Windows Form Application Using C#  Introduction to Linux  File System, System Calls and Process  Editors and Shell Scripting  Introduction and Conditional Statements & Looping  String Manipulation and Lists	Title of Paper Course  Title of Paper Sem. Name of the Unit Course  Name of the Unit Gender Awareness  Professional Ethics Awareness  #IDE Controls  File Porm Controls  ***  Introduction to Windows Form Application Using C#  Introduction to Linux  ***  ***  ***  ***  ***  ***  ***	

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No.	Course	Title of Paper	Sem.	Name of the Unit	Gender Awareness	Environmental Awareness	<b>Professional Ethics</b>	Human Values		
				Tuples and Dictionaries			• Tuple • Dictionaries	<ul> <li>Value order, structure, and organization in data representation</li> <li>Promote immutability, integrity, and flexibility in data storage</li> </ul>		
				Swing and JDBC			Components of AWT     Components of Swing	<ul> <li>Providing a simple and intuitive API for GUI development.</li> <li>Providing clear and</li> </ul>		
								timely feedback to users through UI components		
13	B.ScIII	Advanced Java	VI	Servlet			Servlet API     Handling a data from HTML to servlet	Taking responsibility for handling requests and responses.     Encouraging reusable and modular code.		
		Part Part II		Java Server Page (JSP)			Life cycle of JSP     Connecting to database	Develop user-friendly and intuitive web interfaces     Promote continuous learning and improvement in JSP development		
								HI 33r development		
				Introduction to ASP.Net			•Client side and Server side programming.	• Promote adaptability and flexibility in web		
							• Server Controls	development •Encourage open communication and feedback		
14	B.ScIII	ASP .NET	VI	Asp.Net State Management			Response.Redirect     Session, Application	Manage application state with responsibility and accountability     Implement organized and structured state  management		
				Database and ADO.Net	A S C C COLLEGE	Avaicados	Connected and     Disconnected Architecture     Data binding using ADO.net	Optimizing data access and manipulation for better performance.    Ensuring consistent and reliable data access and manipulation		

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				Memory Management and Advanced vi			Demand Paging     ex Mode- handling Multiple     Files	Manage memory with efficiency and responsibility	
15	B.ScIII	Linux Part- II	IV	Filters and Advanced Shell Programming			•sed and sed options •grep and grep options	Write clear and simple shell scripts     Continuously learn and improve shell scripting skills	
				Networking Tools			Introduction to TCP/IP     Network Management Tools     Firewall	Take accountability and responsibility for networking practices     Promote innovation and continuous improvement in networking tools	
				Functions			•Types of functions •Function Arguments	Develop clear, simple, and consistent functions     Write modular, reusable, and efficient code	
16	B.ScIII	Python Part -II IV	IV	Modules and Input-Output			Creating Modules     Types of I/O Files	<ul> <li>Sharing data through file I/O for collaboration.</li> <li>Designing visually appealing GUI for engagement.</li> </ul>	
		7 18 8 18 19 19 19 19 19 19 19 19 19 19 19 19 19		Exception Handling, Object Oriented Programming Concepts			User Defined Exceptions     Data hiding	Proactively preventing and mitigating potential errors.     Continuously learn and improve error handling and OOP practices	



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