Program Name : Bachelor's of Computer Applications Course outcome (CO)

	BA1110	CA1106						
CO2	CO1	C03	CO2	CO1	BCA I Semester			
To familiarize the students with the managerial functions in an organization.	To Provide an understanding of basic concepts, principles and practices of mangement.	Student can gain elementary knowledge in multimedia technologies such as multimedia components, design tools, hardware, peripherals, authoring tools and algorithms.	Student must establish the knowledge about the operating systems and various DOS commands.	Student should explain about the basic knowledge in computer system and its functions, input/output devices and storage unit.				
			MA1304		Den in Jensey			
		CO3	CO2	CO1	icore.			
		Able to apply the concept of probability theory.	Enable the students to collect, classify, interpret and compare data and also to write alogrithm for generating random numbers.	To find solution where analytical solution is not possible.				
		CA1501						
	CO4	СОЗ	C02	CO1				
	Evaluate the performance of computing resources (such as CPU and Memory) that are managed by the Operating System.	Apply the knowledge of the services available under the Operating Systems and designing solution for process synchronization problem.	Analyze the tradeoffs inherent in operating system design.	Understand the evolution, objectives, and functions of modern operating systems.				

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		CA1104								
CO2	CO1	202	C04	CO3	CO2	6				
Write Boolean equations from truth tables and implement Boolean equations with discrete logic gates	Convert values from one number system to another number system or to a coding system and perform arithmetic operations to any number system	To implement concept of arrays in c programming.	To implement decision making statement in c programming	To implement C program to manage input and output from user console.	To make students understand about variables, data types, constants, operators, and expressions	To make students understand about basics of programming language, basic constructs of programming language.				
CA1303					CA1302					
CO2	C01			CO3	CO2	(0)				
To understand and implement linear data structures and the various operations on them.	To understand the significance of Data Structures.			Learn the usage of information technology in business and to develop simple e-commerce applications.	Standards and processes involved in implementing e-commerce	Students will be able to explain business technologies.				
W										
CA1506	· \&				CA1503					
CO2	103			CO3	CO2	601				
Design/develop programs with GUI interfaces Dr. Samarieet Borah	Analyze program requirements and Create, compile and run object-oriented C# programs using Visual Studio			Have understanding of various ethics of IT profession.	Have the understanding of ethical and legal issues related to the information technologies and its applications including the electronic commerce.	Have the knowledge of various legislative acts and articles related to information technologies and international initiative in the field of IT laws.				
grams	reate, ect- ns using			of	ing of es action g the	agies liative				

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					C06	COS	CO4	CA1105 CO3
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					Understand the PC hardware and microprocessors at a later stage.	Design and analyse sequential logic circuits such as latches and flip-flops	Construct truth table and draw waveform diagram of latches and flip-flops	the function of basic combinational logic circuits
			CA1304					
	CO4	CO3	CO2	CO1			CO4	CO3
	Student will learn working with templates and files and managing console I/O operations and working with files.	Student can explain the inheritance, polymorphism and virtual functions.	Student can analysis the class constructor and destructor, Array and Pointers, Function & operator overloading.	Student should able to explain the concept of class, object structure, functions, static data member and function passing object to function.			To analyze and select the appropriate data structure for a task.	implement non-linear data structures and the various operations on them.
			CA1539					
CO5	CO4	CO3	C02	100		CO5	C04	C03
To uSernamentjee pagram to sdlee's Eempleschabligations Departm Sikkim Manipal Institute of Technology	To handle exceptions in program for efficient functioning of a program.	To use OOP concept to write program in C#	To use various control statements in writing a program	Understand basic concepts of C# programming language.		Use software engineering approach in solving problem using .Net Technology	Perform tests, resolve defects and revise existing code	Code programs and develop interface using Visual Basic .Net
ions Departme								

			Ш	V								
										BA1337		
			_					C03		° CO2	CO1	
								Develop awareness of appropriate technolgy enabled communication strategies.	Contracting the state of the st	Students will be able to find, use, and evaluate primary academic writing and oral	communication and language processes as they occur across various contexts from multiple perspectives.	Student will be able to understant and apply
,			CA1536							CA1535		
CO4	CO3	)		C02			CO1	соз		C02	C01	
applications of cloud computing	types	Distinguish between the	technology	cloud computing	Understand the basic	cloud technology	Remember the basic terminologies related to	To enable the learners to used data visualization techniques for presenting the results to end users.		To enable the learners to perform exploratory data analysis (EDA) in data science.	understand the basic functionalities of data science.	To enable the learners to

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