B.C.A. (Honors/Research) Program

<u>SEM- I</u>

Program Specific Outcomes (PSO)		
PSO No	PSO	Cognitive
		Level
BCA PSO 1	Acquire knowledge of core computer fundamentals as well as	BT Level 1 and 2
	programming languages to solve problems computationally	
BCA PSO 2	Analyze various computational applications and develop a solutions	BT Level 3 and 6
	using domain knowledge appropriate for a defined problems	
BCA PSO 3	Select, adapt and apply appropriate techniques, resources and tools	BT Level 4 and 5
	to develop a software	
BCA PSO4	Communicate effectively with or among other development	BT Level 2
	teams/community by writing reports and effective presentations	
	about computing activities	

Course Code: CA-111 Course Title: Essential of Computer and Programming

Course Outcomes:	Cognitive Level
CO1. Acquire the knowledge of fundamentals of Computer and Operating System.	3
CO2. Develop problem solving skill through algorithms and flowcharts.	4
CO3. Understand the basics of computer networking and internet.	2
CO4. Understand the basics of Programming	2

Course Code: CA 112 Course Title: Programming using C++

Course Outcomes:	Cognitive Level
CO1. Analyze and compare C++ with older programming languages, identifying key differences and understanding how C++ addresses limitations of previous languages.	4



CO2. Implement different loop constructs to manage repetitive tasks in C++.	3
CO3. Analyze and compare the memory allocation and use cases of structures versus unions.	4
CO4. Apply the concept of pointers and demonstrate their usage in managing memory.	3

Course Code: CA 113 Course Title: Practical based on Programming using C++

Course Outcomes:	Cognitive Level
CO1. Apply arithmetic operators to perform calculations and solve mathematical problems in C++ programs.	3
CO2. Implement different loop constructs to manage repetitive tasks in C++.	3
CO3. Analyze and implement the memory allocation and use cases of structures versus unions.	4
CO4. Apply the concept of pointers and demonstrate their usage in managing memory.	3

Course Code: CA-114 Course Title: Office Management Tools





Course Code: CA -115 Course Title: WEB DESIGN-I

Course Outcomes:	Cognitive Level
CO1. Create a basic web page using HTML, demonstrating knowledge of static and dynamic content.	3
CO2. Implement HTML tags to create web content such as lists, images, and multimedia elements.	2
CO3. Create a web page that includes tables, framesets, and forms, using appropriate HTML tags and attributes.	3

Program Outcome:

PO No.	РО	Cognitivelevel
PO1	Graduates will have a comprehensive understanding of corebusiness concepts, including accounting, economics, marketing, finance, management, and business law	1 & 2
PO2	Graduates will be able to analyze financial data, market trends, and business operations to make informed decisions	3
PO3	Graduates will attain the skills to identify, analyze, and solvecomplex business problems using critical thinking and creative approaches	4
PO4	Graduates will learn to evaluate the change and will acquire theability to adapt to evolving business environments. Additionally, they should be able to contribute to innovation within a business context	5&6

> <u>Course Learning Outcomes:</u>

114C: Basics of Stock Markets:

CLO	CLO	Cognitive
No.		level
1	Understand the role and importance of Indian Stock market Operations.	1
2	Describe the structure of Indian securities market.	3
3	Apply and analyze the Concepts relevant to Indian Stock markets.	5



114D: Business Statistics-I

CLO No.	CLO	Cognitive level
1	Student will become acquainted with concepts and tools of business statistics.	1
2	Students will be able to use the business statistics concepts in day to day business life.	3
3	Students will be able to use the business statistics concepts in research.	5

ENG 113: English for All-I

CLO No.	CLO	Cognitive level
1	Identify the essential skills of oral communication in English	1
2	Communicate effectively and confidently in spoken English	3

IKS 115: Ancient Indian Knowledge Tradition (Generic)

CO1. The sources of Indian Knowledge Tradition and Philosophy would be understood

CO2. Students would know the ancient Indian Universities, Educational Institutions and their importance.

CO3. The students will know, How Indian knowledge spread its roots across the borders of India and various scholars came to India for higher studies in Arts, science and Philosophy.

CO4. Awareness of the development of important elements of ancient Agriculture and Commerce will be created.

CO5. Students will be empowered to identify ancient great tradition of Indian ancient arts, techniques, science and knowledge with modern education for self-reliance.

CO6. The importance of great age-old tradition of Indian Knowledge will be underscored.



Course Code: ES-115 Course Title: Environmental Studies

CO1. Articulate the interconnected, and interdisciplinary nature of environmental studies and demonstrate an integrative approach to environmental issues with a focus on sustainability.

CO2. Use critical thinking, and understand the methodological approaches of the social sciences, natural sciences, and humanities in environmental problem solving.

CO3.Communicate complex environmental information to both technical and non-technical audiences.

CO4.Understand and evaluate the local and global scale of environmental problems and reflect critically on their roles, responsibilities, and identities as citizens and consumers in a complex, and interconnected world.

Course Code: CC – I (C) Course Title: Sports – 1

CO1.Increase in the physical and mental fitness of students through sports.

CO2. The student may develop better grasping power.

CO3. Development of student's personality through sports.

CO4. The students be encouraged for better competition in sports.

