B.C.A

Course Outcomes

I Sem BCA

I Sem BCA - Kannada

Name of the Course :	ಬ.ಸಿ
Class:	ಬ.ಸಿ ಮೊದಲ ಸೆಮಸಿ 'ಮತ ಬ್ ವಭಾಭ
Course Code:	ಭಣಕ ಸೌರ -1/ AECC01.5
CO1	ಕನನ್ ಭಾ ಾಷ ಅಭಿನ, ಕರ್ನಕೊ ಅಭಿನ ಮತ್ ರಾ, ನು, ಭಾಾಷ ಅಬಿವೃಷ ಬಗ್ ವಿದ್ಭರ ಅರಿಯತ್.
CO2	ಭೌಗೋಕಿಕ ಆಕಾೊ ಬಗಗ ಇರು ಭಾುವಭರ, ಸಹಮೊಯಚೊದ್ದನಕಹದಭರ, ಉಲಭ್ರ ಹಾ ಧಮಮತಭತ ಬಗಕನ ಚರ್ಷನ ಭ್ಮನಮಬಬಹ.
CO3	ಯಡದಜಗುನೊ ಮಹಹೊ ಘನಿ. ಈ ಮಮಷೊಯನಮಪ ಮತ ಯ್ುನ್ೊ ನಾವನ ತದನಕ ಹಗ್ೆ, ಿು ಜನತಷನ ಜ್ಾಹೌೋಗು ಕಾಲ, ವಾವ್ೆದದಷಭರ, ಬನುರ, ವಗನ-ೊಕಹರ ಯುನ್ುನ್ ಕಳಿು ರಗತಷ ವಿನಭರ.
CO4	ಿಂಡು ಬಹುನ ಸಾಕ ಬಾಕಭರ ಹಾ ಸಫ್ಘುರ, ಸಾ ವಿಸ ಉೊದಮುನ ತ್ತಹ ುದುಸಷೊ ಕಡ ಒದವ,ಭಾ ಾಹ್ ಯುಹಗರನ ಅಾಹದೊ ಬಗ ಮತ್ ಭಾೌಹ ಫೈಗೋಗ ಮಜಜ್ತರ್ು ಬಗಷ ವುೌರ.
CO5	ವಿಶಭ್ಯಕದಪವ, ವೈರಕ ಚಾಹವ, ಸಾಹದೊ ಮುನ ಸಿಜಕ, ಧೆಕ ಹಾ ರಜುಗಷ ತರ್ತೋಿಷನ್ ಹಾಹವಹ.

Name of the course	Nibandh Prabha
Class	BCA I
Course Code	AECC04.5

CO1	समृद भाषा के दावा सानक सरावांगी वरकास कव सकना है
	महापुरषष के जंरन से सानक मागिदीन पार कव सजंरन का परवषाव कव सकना है।
	महापुरषष के जंरन से सानक मागिदीन पार कव सजंरन का परवषाव कव सकना है।
CO4	सामावजक वरहाव मे सानक परवपक हषना है।
CO5	उतम नाारवक ाुगष का परवषाव हषना है।

Course Out	comes
	Sanskrit - Sankshepa Ramayanam of Valmiki (1st Sarga),
Name of the Course	Grammar and comprehension
Class	1st Sem B.C.A
Course Code	AECC05.2
CO1	1. Students will be introduced to Sanskrit language and Literature and poetry in Sanskrit Literature.
CO2	2. Students will understand Rama's personality/knowledge about the relationship of husband and wife.
СОЗ	3. Students will gain knowledge about the qualities of Sri Rama & other personalities of Srimad Ramayanam
CO4	4. Students will learn translation skills to unlock the wealth of information in ancient epics
CO5	5. Students will learn about introduction to the formation of sentences, with adequate knowledge of Nouns and Verbs.

Name of the	
Course	Generic English
Class	I Sem BCA/BSC
Course Code	AECCO2.3
CO1	To acquire the LSRW Skills
CO2	Learn to appreciate literary art.
CO3	To be aware of social responsibilities.
CO4	To acquire the skills of creativity to express one's
	experience
CO5	To increase their analytical Skills.

Course Outcomes	
Name of the Course	Problem Solving Techniques (TH & L)
Class	I Sem BCA & B.Sc
Course Code	CA-C2T/ (DCCS101)
CO1	Follow the role of Algorithms in computers, Asymptotic Notations, Generating algorithms.
CO2	Construct programs that demonstrate effective use of advanced c features including the pre-processor, pointers, void *, static and external variables, Loops ,Arrays, Command Line Arguments
CO3	Construct programs that demonstrate effective use of advanced c features including the pre-processor, pointers, void *, static and external variables, Loops, Arrays, Command Line Arguments
CO4	Student will be able to handle operations like searching- Binary & Linear, sortings like Insertion, Selection sort, Merge Sort and text processing.

Course Outcomes	
Name of the Course	Data Structure
Class	I Sem BCA
Course Code	CA-C3T

CO1	Student will be able to choose appropriate data structure as applied to specified problem definition.
CO2	Ability to describe stack, queue and linked list operation and solve problems based upon different data structure & also write programs.
СО3	Ability to describe Binary Tree and Graph Traversal based upon different data structure & also write programs.
CO4	Ability to analyze algorithms and algorithm correctness and ability to summarize searching and sorting techniques

Name of the Course	Discrete Structures
Class	I Sem BCA
Course Code	CA-CIT
CO1	Student should be able knowledge of logical notation to define and reason the fundamental mathematical concepts Such as sets, relations, functions, and integers.
CO2	Student should be able to discuss various structures and properties of modern algebra.
CO3	Student should be able to Employ their logical ability such as reasoning able to setup mathematical model of real life problem by applying advanced counting
CO4	Student should be able to demonstrate problems in different areas of computer science using trees and graphs
CO5	Student should be able design solution with the help of induction hypotheses, simple induction proofs and recurrences

Course Outcomes	
Name of the	
Course	Writing for Media
Class	I Sem B.Com/ BBA
Course	
Code	OEJM111
CO1	Apply media literacy, ethical rules, and journalistic writing forms to
COI	create engaging content, emphasizing information gathering and rewriting skills.
	Demonstrate proficiency in radio scripting principles, script design,
CO2	and language aesthetics for effective communication in various script
	formats.

CO3	Analyze the elements of TV scripting, language, and grammar to craft scripts for entertainment programs and news, showcasing creative storytelling skills.
CO4	Utilize content writing strategies for social media and blogging, staying updated on current trends to engage audiences effectively across online platforms

Course Outo	Course Outcomes	
Name of the Course	Accounting for Everyone	
Class	I Sem BCA	
Course Code	OEBC112	
CO1	1. Analyse various terms used in accounting;	
CO2	2. Make accounting entries and prepare cash book and other accounts necessary while running a business;	
CO3	3. Prepare accounting equation of various business transactions;	
CO4	4. Analyse information from company's annual report;	
CO5	5. Comprehend the management reports of the company.	

Course Outcomes	
Name of the	Office Organization and Management
Course Class	I Sem BCA
Course	
Code	OEBB112
CO1	An understanding of basic knowledge of office organisation and management
CO2	Demonstrate skills in effective office organisation
CO3	Ability to maintain office records
CO4	Ability to maintain digital record.
CO5	Understanding of different types of organisation structures and responsibilities as future office managers.

II Sem BCA

II Sem BCA - Kannada

Name of the Course :	ಬ.ಸಿ
Class:	ಬ.ಸಿ ಿೌನಲ ಸೆಮಸಿ ಿ ಮತ ಬ್ ವಭಾಭ
Course Code:	ಭಣಕ ಸೌರ -2 / AECKA 2.5
CO1	ಿಾಜದ ುದುಹೌ ದು ೌ ರಮಮಸೌರಷ ಮಹಹ್, ಮನಭದೌಯನ ುದುಹೌ ಬವೃ, ಜಭತಗಕೌಣೊ ತನ್ಜುುನಭೌಭರ.
CO2	ಕೈರಿಭತ್ಯನಆರಭಕ ತಹದಜರನ್ರಸಾ ವಿಸ ತಹದಜರನೊಯನರಜುಗಷ, ರಕ ಹೋ ಸಂಗಾವಷ್ಯ ತಹದಜರನೊಬತಿ.
CO3	ಿಂತಮೆಯುಉದುಗಭಮಸಮಾಳಷೌ ವನಚರ, ಅಧ್ಾಕನ ಅರಗಭದ ಮರಂುವಿು ಂತಷ ಹಗರನ, ಮಹದಾಭದದೊ ಮಹಹ್.
CO4	ಸು ಗಣ ೊಯಮಾೆ ಂಗಘರ, ಮಸಯಾಮೊಯನುೌಾುರ್, ಜಭತಗಕೌಣ <i>ತದಾೊತರ್</i> ು ಆತಕಭರ.
CO5	ಕನನ್ ಸಹುದರುಪರಕಿಕ, ತುಂದು ಬೆಳಿಲನ ಜಣಿಕ,ಿಾಯು ಸಂಬಸಧತ ಮತ ಸ್ುಗಣ್ಿಕ ಹಗ ಮಪಾಬಗತು ಿಾಬೊೌ ವಮಮ್.

Name	
of the	Hindi
course	ninai
Class	BCA II
Course	
Code	35403
CO1	सानक छात गेद के सरावांगी वरकास मे यषागान गेाे।
CO2	सानक गेद कष वरकास के मारी मे अपनं उदमदंशना के साथ शे जाएाे।
соз	सानक राी ाभंवना से सषचने र पभारदाशं ढा से सराग कवने मे सकम हषाे।

CO4	सामुवहक ढा से कायी कवने कं गकना पार हषां। वजससे रह सफ़श आजंवरका पाने मे सकम हषाा।	
CO5	सानक री। नैवनक मूलष कष समझने राशा र ससृवन का सफ़श राहक बने॥।	

Name of the Course	Suhrudbeda from Hitopadesha, Grammar and comprehension
Class	2nd Sem B.C.A
Course Code	AECSK2.2
CO1	Students will be introduced to popular tales & fables in Sanskrit.
CO2	Students will gain knowledge about some well known books in Katha Sahitya such as Panchatantra, Hitopadesha etc.,.
соз	Students will learn different types of Humanities, necessity of practicing different types of human nature, house holder and his duties towards society etc.
CO4	Students will gain knowledge about social behaviour and values from Katha Sahitya.
CO5	Students will learn to frame sentences, splits and effects the sandhis and learns the translation from Sanskrit to Kannada/English

Course Outcomes	
Name of the Course	OBJECT ORIENTED PROGRAMMING USING JAVA
Class	II Sem BCA
Course	
Code	CAC7T
CO1	Students can understand the use of Java programming language for various programming technologies (understanding)
CO2	Evaluate user requirements for software functionality required to decide whether the Java programming language can meet user requirements (analysis)
CO3	Propose the use of certain technologies by implementing them in the Java programming language to solve the given problem (synthesis)

	Choose an engineering approach to solving problems, starting from the
CO4	acquired knowledge of programming and knowledge of operating systems.
	(evaluation)

Name of the	
Course	Generic English
Class	II Sem BCA/BSC
Course Code	AECEN2.3
CO1	To acquire the LSRW Skills.
CO2	Learn to appreciate literary art.
CO3	To develop their ability as critical readers and writers.
CO4	To Increase their reading skills.
CO5	To increase their analytical Skills.

Course Outcomes	
Name of the course	Database Management Systems (TH & L)
Class	II Sem BCA
Course Code	CA-C8T
CO1	Acquire knowledge in fundamentals of Data Base Management System, Define the terminology, features, classifications, Architecture and characteristics embodied in database systems.
CO2	Analyze the applications, acquire knowledge in Data Models, Attributes, and Relationship in database and derive an information model expressed in the form of an Entity Relation diagram and other optional analysis forms, Types of Indexes.
СОЗ	Formulate, using SQL, solutions to a broad range of query and data update problems. Demonstrate an understanding of normalization theory and apply such knowledge to the normalization of a database. Use an SQL interface of a multi-user relational DBMS package to create, secure, populate, maintain, and query a database.

CO4	Acquire knowledge in Transaction Processing systems, Properties of Transactions, Locking and Recovery techniques.

Course Outcomes	
Name of the	Computer Architecture
course	
Class	II Sem BCA
Course	CA- C6T
Code	
CO1	To become familiar with basic logic gates and understand Boolean algebra and simple Boolean functions by using basic Boolean properties & design of combinational circuit
CO2	To understand and examine the structure of various number systems and its application in digital design
CO3	Students will be familiar with introduce register transfer operations
CO4	Student should be able to understand the memory management of computers

III Sem BCA

Name of	
the Course:	ಬ.ಸಿ
Class:	ಬ.ಸಿ ಮೌಲ ಸೆಮಸಿ ಮತ ಬ್ ವಭಾಭ
Course	ಭಣಕ ಸೌರ - 3 / AECKA3.5
Code:	
CO1	ದೈವನ ದಷ ಜಭತನ್ ಯಜರನಾನಭತ, ಿೊ-ವಿೊಭತ ನಾು ಬಹುು ಡುವ್ದ್ ದನೆ, ಹುಆ್ಯುಕಘ ಗಿುಭತ, ೈ ಬಿ ಕನಗಭತ, ಗಿವ-ಸಗಿಭತ ಯುಷ್ಯ ಬಹು ಅೌರಹು.
CO2	ಸತ್ಯದೊಪದಮುದತೋವರು, ಅೊನ ಹ್ಯ ಂರಿಮಕರಕಕ ಬತಸಿತೊಳುೆಾಬ ದೌ ದೃತಿಕರು ಿುಕರ ನಮ್ಮಕುಲಕರಿತಿ. ಹಗಗ ಸತ್ಯದದುನ ಹ್ಯ ಹರಂುಗಭ ಿಯಿತೊಬಬಹ ಿಾಬೊೌಿೊರ ಪದುಹದುಯ್ ನಮಸ ಕರಹ್ೆ ನಡಿತು.
соз	ಭಾರ್ಹ ಮುತಮ್ ಮಮನಷ್ತಾೊ ಕೊ ರಭಿದ್ರ ಮಾತಷ್ಯ ಏಕತಷನ ಸ್ರವಹ ಇಯುಗಿತ. ವವೊ ಸಮ್್ತತ, ವಭನ ಸ್ಂದಿಷ, ವವಾ ಭಾರಾಭತರಾತ ಜನ ಇ ಕಾನಕದವಾೊ ಪದಗತ್ರಕರರ, ಮಹವ, ಂೌಂಮ್ ಮಾತಿತ್, ಮಿನತಭೋೊ ಬಹುತ್ತಿತಿ.
CO4	ಹವಹತಷೊ ಮಮಸದಭರ, ಮಿಿಭರ, ಅರವ. ಿಾತ ಹುದುಜರನಿಗ್ಗದಬಳಧತ ನಮಸಗುಕ್ನುಆಜತರ್ು ಆೈಿೊ ಬೊಾುರಭರ. ಜತ ಮತರ್ಾಮ್ೊ ಹುುುನ್ಯ ನಡಿತರ್ು ಸಫಘ್ಯತವುೌರ.
CO5	ದೈವನ ದಷ ಜನರೊೌಯಆಹನಕ ಿನುಾ ಆರಗಭದ ಹಾ ಪದಾಭತ್ಯರುರಗತ. ಸತ್ಯದದೊಂಡುನಾು ಆಹನಕ ಿಭೊ ಮಲ ಬಗರರು ಡುಸಾು, ಭಾಾಹಧಹಹ ಡೈಡುತ್ತ ಿಗಮ ಸಹೊ ಹಾ ಆಧನಕ ತಹದಜರನೊಂಡುನಾುಭತ ವುೌರ.

Name of the Course	Neelakanta Vijaya Champu of Neelakanta Dixita (Prathama Ashwasa) and Science in Sanskrit
Class	3rd Sem B.Sc.,
Course Code	AECSK 3.4
CO1	Students will be introduced A critical study of Champu Literature in Sanskrit.
CO2	Students will learn about the greatness of Heaven
соз	The students will be able to visualise role models with presentation of stories and relevanat subjects and understand the culture.
CO4	The students will be able to learn the value education.
CO5	Students will learn about contributions of ancient works to the modern world.

Name of	
the Course	Generic English
Class	III Sem BCA/BSC
Course	
Code	AECEN3.3
CO1	Acquired enhanced LSRW skills
CO2	Augmented presentation and analytical skills
CO3	Ability to critically analyse, interpret and appreciate literary texts
CO4	An awareness of social, cultural, religious and ethnic diversities
	Acquired language skills for competitive examinations -
CO5	UPSC/KPSC/IBPS/SSC/RAILWAYS/TOEFL/IELTS and others.
Name of	
the course	Kavaya Samruddhi
Class	BCA III
Course	
Code	AECHN3.5
CO1	काव के सौनयी कष अनुभर कवना।
CO2	सावहत के वरवभन रपष का जान।
соз	भक्काशंन र आधुवनक काव दावा काव कं वरधाओं से अरान कवाना।
CO4	नकनंवक दबष का जान कवाना।
CO5	वरहारवक भाषा का जान गेना।

Name of the Course	Python Programming
Class	III Sem BCA

Course Code	CACT-3
CO1	Knowledge in basics of Python Programming, how to use variables and expressions, conditional statements, loops, control statement and usage of functions and strings.
CO2	Get acustomed to the various operations used in Lists, functions of Tuples and Dictionaries, and the concept of Sets.
CO3	Familiar with types of files, file methods, Object Oriented Programming concepts such as classes, objects, inheritance, method overriding, data encapsulation, polymorphism.
CO4	Develop skills to plot different types of graphs using CSV / JSON file format and work with Web APIs.

Course Outcomes	
Name of the	
Course	Operating Systems
Class	Ⅲ Sem BCA
Course Code	CA-C12T
CO1	Student will learn basic concepts, OSI reference model, TCP / IP, Analog and digital data transmission.
CO2	Student will be able to get flow control techniques.
CO3	Student should be able to learn different Network layer i.e logical addressing, sub netting& routing.

CO4	Student should be able to learn Transport layer function, TCP services .

Course	
Outcomes	
Name of the Course	Computer Networks
Class	Ⅲ Sem BCA
Course Code	CA-C14L
CO1	Students will learn about different Commands, network cables and IP address configuration.
CO2	Students will learn about different network devices, switches.
СО3	Configuration of LAN, VLAN using packet tracer.
CO4	Students will learn about blocking of website, folder sharing, patch cord, box fixing.

IV Sem BCA

CO4

Name of the	Δ.	
Course:	బ.సి	
Class:	ಬ.ಸಿ ರದಲ್ ಸೆಮಸಿ ಮತ ಬ್ ವಭಾಭ	
Course Code:	ಭಣಕ ಸೌರ - 4 / AECKA4.5	
ಹಳಷ ರಭರಗಕತಷ್ಯ ಶದಗರಮ ಸಗತಷನ ಗ್ೊ ರಿಗತ, ಹಮ ರಭರಗಕತಷ್ಯ ಮೊಬ ನಮಸಮಾರ ಬರತರ್ು ರಗತ. ಆ ಒಲಂಫ ುದಗೀಕನಭತ ಗಿವ.		
CO2	ಅಭಿವೃಷ ಹಮಧ್ಯಧೆಕ ಮಸತಭರ ಬೊಾಜತರ್ು ರಗತ, ಿನು ನೆಗತರ್ು ಮಮಸದಭರ, ಬನಹನ ನಮ್ಮನಿ ಸಂತನ್ ಅಭಹದತ.	
соз	ಕರರಷ ಾನಲ್ಬು ಮಳರಜನ ಕರರ, ಅಮಸ ೊಜ್ಣಭರ ಮಭಿ ಮನವನ ರಾಷ ಮಲ ಬಗರೊ ಂರಿಮಭರ, ಬಿುಷನ ಕತ್ರೊತಿ ಹಡಷಿ ಸಹಸಿಯುತ್ತಿ ಬ ಮಹದ	
CO4	ಸುಗಣ್ಯಯಕಾಸ ಅುೌೈಂಬಗ ಚಹದಣ,ಿೌನ್ಯೆಯಾತೊದ ರನ ಕ್ಕೊ ಡೊವನಭರ, ಿಲ ಮತಷ ಕ್ಷ ಹಗ ಇರು ಕರ ಅರಷೊ ವಗೌರ.	
CO5	ಹಳಷ ಮತ ಹ್ಮ ರಭರಗಕತಷ ಮು-ಮು, ಅಭಿವೃಷ ಹುುದು ನಡಿತರ್ು ಂದರತಷ ರಾ, ಕರರಷ ಮಹಹ್ ಮತ ಸ್ುಗಣ್ೊ ಅುಾದಕತ.	
Name of the		
course	urse Madhavi	
Class	BCA IV	
Course Code	36403	
CO1	नाट वरधा के साथ उसके मचन र पगदीन से छात अरान हषना है।	
CO2	छात् मे नैवनक मूल् का वरकास।	
соз	सानक परवक्थवनयष कष समझने मे सकम हषने है।	

पूजंपवन राी का वदका पव पडने राशा पभार।

Name of the Course	Abhijnana Shakuntalam – 4th and 5th Act, Dramaturgy and Dramatists
Class	4th Sem B.C.A
Course Code	AECSK4.2
CO1	Students will be introduced to Dramatic Literature in Sanskrit Types of Dramas, Knowledge of Natyashastra. Students will learn about dramatists of Sanskrit Literature, style and fame.
CO2	Students will learn about Bhasa's place, time and works and his dramatic skill.
соз	Students will understand the character and behaviour of Dushyantha & Shakuntala. They also learn the depicts of contemprary society & highlights of human values in Kanva's advice.
CO4	Students will be able to appreciate the emotions expressed, prosody employed, dialogues and other gesters expressed in the drama.
CO5	Students will be introduced to the Concepts of Rasa, Bhava and Abhinaya & theoritical aspects related to the production of the play.

Name of the Course	Generic English
Class	IV Sem BCA/BSC
Course Code	AECEN4.3
CO1	Acquired creative, interpretative and critical thinking
CO2	Skills to communicate confidently and effectively
соз	Obtained persuasive and creative social media writing skills
CO4	Ability to articulate their views with clarity and confidence
CO5	Eligibility to take up jobs such as content writing, journalism and such other jobs with proficiency in English

Name of the Course	Software Engineering
Class	IV Sem BCA
Course	DCCA405T
Code	
CO1	Knowledge and understanding the Software Development Life Cycle (SDLC), different models of SDLC and Agile development and process models.
CO2	Familiar in the role of project management including planning, scheduling, risk management, software testing approaches such as unit testing and integration testing etc., Testing Strategies, White Box and Black Box Testing.
CO3	Implementating project using Software Project Scheduling, EVA, RMMM plan, Software Maintenance, Software Reengineering Vs Reverse Reengineering.
CO4	Analyze the various approaches to Software Process Improvement, Frameworks, CMM, and SCM standards, there by they gain the Ability to apply software
	engineering principles and techniques.

Course Outcomes	
Name of the Course	Analysis and Design of Algorithms
Class	IV Sem BCA
Course Code	CA-C17T
CO1	Argue the correctness of algorithms using inductive proofs and invariants.
CO2	Compare between different data structures with different sorting techniques.
СОЗ	Learning about space and time trade off with some algorithms.
CO4	Learning about decision trees and different types of problem solving.

Name of the Course	Internet Technologies
Class	IV Sem BCA
Course Code	CA - C18 T
CO1	Understanding the fundamentals of Internet and its Applications, World Wide Web and Web Architecture.
CO2	Gain knowledge about HTTP, its versions, connections and communication, Web Information Retrieval and tools with Search Engine Architecture, Models and Google PageRank.
CO3	Able to develop basic websites using the Client -Side and Server - Side Technologies such as HTML and Cascading Style Sheets, Javascript, PHP, Node JS etc.
CO4	Practical knowledge by using Web Application Frameworks such as Django, Ruby on Rails and Web Databases - SQL, NoSQL etc., along with a study in Web Mining.

V Sem BCA

Course Outcomes	
Name of	
the course	Artificial Intelligence
Class	V Sem BCA
Course	
Code	CA-C21T
CO1	Understand the various characteristics of problem solving agents and apply problem solving through search for AI applications
CO2	Appreciate the concepts of knowledge representation using Propositional logic and Predicate calculus and apply them for inference/reasoning
CO3	Obtain insights about Planning and handling uncertainty through probabilistic reasoning and fuzzy systems
CO4	Understand basics of computer vision and Natural Language Processing and understand their relevance in AI applications
CO5	Obtain insights about machine learning, neural networks, deep learning networks and their significance

Course Out	Course Outcomes	
Name of the course	Data Analytics	
Class	V Sem BCA	
Course Code	CA-C22T	
CO1	Explore the fundamental concepts of data analytics	
CO2	Recognize and conduct statistical inference to solve engineering problems.	
CO3	Appreciate the science of statistics and the scope of its potential applications	
CO4	Summarize and present data in meaningful ways	
CO5	Select the appropriate statistical analysis depending on the research question at hand Form testable hypotheses that can be evaluated using common statistical analyses	

Name of	
the	
course	Web Programming
Class	V Sem BCA
Course	
Code	CA-C22T
CO1	Understand the basics of Web Programming concepts
CO2	To build dynamic web pages with validation using JavaScript objects and by
	applying different event-handling mechanisms.
соз	Analyze various PHP library functions that manipulate files and directories.

CO4	To develop modern interactive web applications using PHP and XML
CO4	

NT C	
Name of	
the	
course	Cyber Crimes, Cyber Laws and Intellectual Property Rights
Class	V Sem BCA
Course	
Code	SEC - III
CO1	Understand cyber crimes, their nature, legal remedies and as to how report the crimes through available platforms and procedures.
CO2	Recognize various privacy and security concerns on Social media and e-commerce platforms.
СОЗ	Use basic tools and technologies to protect their devices.
CO4	Understand digital environment and IPR issues

VI Sem BCA

Course Outcomes	
Name of the Course	Machine Learning
Class	VI SEM BCA
Course Code	CA-C27T
CO1	Learn the basics of machine learning, understanding its uses, challenges, and various applications.
CO2	Build practical data skills, covering data collection, analysis, visualization, and preparation.
СОЗ	Become skilled in using classification and regression algorithms, including selecting, training, and evaluating models.
CO4	Dive into advanced clustering and specialized applications, using methods like KMeans, DBSCAN, and others.

Course Outcomes	
Name of the Course	Mobile Application Development
Class	VI SEM BCA
Course Code	CA-C28T
CO1	Understand the basic concepts of Mobile application development
CO2	Design and develop user interfaces for the Android platforms
CO3	Apply Java programming concepts to Android application development and create an application using database

Course Outcomes	
Name of the Course	Electronic Content Design
Class	VI SEM BCA
Course Code	CA-V2
CO1	To deliver the content via various media such as radio, television, computer etc.
CO2	To increase students' concentration on particular subject matter in depth learning
СОЗ	To feel emotionally good with joyful learning and active learning involvement of students during the content delivery
CO4	To reuse many time the content to various group of same class without hesitate and unchanging.
CO5	To handle easy to the facilitators during the content delivery. To modify the content with present time needs

Course Outcomes	
Name of the Course	Electronic Content Design
Class	VI SEM BCA
Course Code	CA-V2
CO1	To deliver the content via various media such as radio, television, computer etc.
CO2	To increase students' concentration on particular subject matter in depth learning
СО3	To feel emotionally good with joyful learning and active learning involvement of students during the content delivery
CO4	To reuse many time the content to various group of same class without hesitate and unchanging.
CO5	To handle easy to the facilitators during the content delivery. To modify the content with present time needs

Course Outcomes	
Name of the Course	Software Testing
Class	VI SEM BCA
Course Code	CA-E2
CO1	Differentiate the various testing techniques
CO2	Derive Test Cases for any given problem.
СО3	Classify the problem into suitable testing models.
CO4	Apply a wide-variety of testing techniques in an effective and efficient manner.
CO5	2 Explain the need for planning and monitoring a process

Course Outcomes	
Name of the Course	Project
Class	VI SEM BCA
Course Code	BPCA601
CO1	Allows a student to demonstrate their capabilities while working independently
CO2	Ability to apply desired skills for doing research.
CO3	Ability to work with their peers, building teamwork and group skills
CO4	Plan for their future technology.