

B.C.A

Course Outcomes

I Sem BCA

I Sem BCA - Kannada

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| Name of the Course : | ಬಿ.ಸಿಎ |
| Class : | ಬಿ.ಸಿಎ ಮೊದಲನೇ ಸೆಮಿಸ್ಟರ್ ಎ ಮತ್ತು ಬಿ ವಿಭಾಗ |
| Course Code: | ಗಣಕ ಸೌರಭ -1/ AECC01.5 |
| C01 | ಕನಡ ಭಾಷೆಯ ಅಭಿಮಾನ, ಕರ್ನಾಟಕದ ಅಭಿಮಾನ ಮತ್ತು ನಾಡು, ನುಡಿ, ಭಾಷೆಯ ಅಭಿವೃದ್ಧಿಯ ಬಗ್ಗೆ ವಿದಾರ್ಥಿಗಳು ಅರಿಯುತ್ತಾರೆ. |
| C02 | ಭೌಗೋಳಿಕವಾಗಿ ಆಕಾಶದ ಬಗೆಗೆ ಇರುವ ಭಾವನೆಗಳು, ಸಾಹಿತ್ಯಲಿಚ್ಛಂದ್ರನಕ್ಷತ್ರಗಳು, ಉಲೆಗಳು ಹಾಗೂ ಧೂಮಕೇತುಗಳ ಬಗೆಗಿನ ಚರ್ಚೆಯನ್ನು ಗಮನಿಸಬಹುದು. |
| C03 | ತಾರುಣ್ಯಜೀವನದ ಮಹತ್ವದ ಘಟ್ಟ ಈ ಸಮಯದಲ್ಲಿದ್ದ ಮುಪ್ಪು ಮತ್ತು ಯೌವನದ ನಡುವಿನ ತೌಲನಿಕ ಹೋಲಿಕೆ, ಯುವ ಜನತೆಯನ್ನು ಜಾಗೃತಗೊಳಿಸುವ ಕಾಲೇಜು, ವಿಶ್ವವಿದ್ಯಾಲಯಗಳು, ಬಡವರು, ದೀನ-ದಲಿತರು ಯೌವನವನ್ನು ಕಳೆಯುವ ರೀತಿಯ ವಿದಾನಗಳು. |
| C04 | ದಾಂಪತ್ಯಬದುಕಿನ ಸಾಧಕ ಬಾಧಕಗಳು ಹಾಗೂ ಸಂಘರ್ಷಗಳು, ಸಾಫ್ಟ್‌ವೇರ್ ಉದ್ಯಮವನ್ನು ತೊರೆದು ವ್ಯವಸಾಯದ ಕಡೆ ಒಲವು, ಭಾಷಾಂತರದ ಹೋರಾಟ ಅಂತಿಮವಾದ ಬಗೆ ಮತ್ತು ಭಾರತ ಫೈಪೋಟಿಗೆ ಸಜಾಗೃತಿರಿಸುವ ಬಗೆಯ ವಿವರಣೆ. |
| C05 | ವಿದಾರ್ಥಿಗಳಲ್ಲಿ ಕಲನ, ವೈಚಾರಿಕ ಚಿಂತನೆ, ಸಾಹಿತ್ಯ ಮುಖೇನ ಸಾಮಾಜಿಕ, ಧಾರ್ಮಿಕ ಹಾಗೂ ರಾಜಕೀಯ ತಿಳುವಳಿಕೆಯನ್ನು ಹೊಂದುವುದು. |

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

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| CO1 | समृद्ध भाषा के द्वारा स्नातक सर्वांगीण विकास कर सकता है |
| CO2 | महापुरुषों के जीवन से स्नातक मार्गदर्शन प्राप्त कर स्वजीवन का परिष्कार कर सकता है। |
| CO3 | महापुरुषों के जीवन से स्नातक मार्गदर्शन प्राप्त कर स्वजीवन का परिष्कार कर सकता है। |
| CO4 | सामाजिक व्यवहार में स्नातक परिपक्व होता है। |
| CO5 | उत्तम नागरिक गुणों का परिष्कार होता है। |

| Course Outcomes | |
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| Name of the Course | Sanskrit - Sankshepa Ramayanam of Valmiki (1st Sarga), 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. |
| CO3 | 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. |

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

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| 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. |
| CO3 | 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 |

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| 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 | |
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| 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 create engaging content, emphasizing information gathering and rewriting skills. |
| CO2 | Demonstrate proficiency in radio scripting principles, script design, and language aesthetics for effective communication in various script formats. |

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| 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 Outcomes | |
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| 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 | |
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| Name of the Course | Office Organization and Management |
| 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

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| Name of the Course : | ಬಿ.ಸಿಎ |
| Class : | ಬಿ.ಸಿಎ ಎರಡನೇ ಸೆಮಿಸ್ಟರ್ ಎ ಮತ್ತು ಬಿ ವಿಭಾಗ |
| Course Code: | ಗಣಕ ಸೌರಭ -2 / AECKA 2.5 |
| CO1 | ವಾಣಿಜ್ಯವ್ಯವಹಾರ ದೇವರ ನಾಮಸ್ಮರಣೆಯ ಮಹತ್ವಮನುಷ್ಯರಿಂದ ವ್ಯವಹಾರ ಬುದ್ಧಿಜಾಗತೀಕರಣದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ನಗರಗಳು. |
| CO2 | ಕೈಗಾರಿಕೆಗಳಲ್ಲಿ ಆರಂಭಿಕ ತಂತ್ರಜ್ಞಾನ, ಸಾಫ್ಟ್‌ವೇರ್ ತಂತ್ರಜ್ಞಾನದಲ್ಲಿನ ರಾಜಕೀಯ, ರಾಗಿ ತಳಿ ಸಂಶೋಧನೆಯಲ್ಲಿ ತಂತ್ರಜ್ಞಾನದ ಬಳಕೆ. |
| CO3 | ದಾಂಪತನ್ಯದಲ್ಲಿ ಉದ್ಯೋಗಸ್ಥಮಹಿಳೆಯರ ದಿನಚರಿ, ಅರ್ಧಾಂಗಿನ ಅರೋಗ್ಯ ಸರಿಪಡಿಸಲು ಪತಿಯ ಹೋರಾಟ, ಮಂತ್ರಮಾಂಗಲವ ಮಹತ್ವ |
| CO4 | ಸಂಕೀರ್ಣದಲ್ಲಿ ಮಹಿಳಾ ಶೋಷಣೆ, ಮುಸ್ಲಿಂ ಧರ್ಮದಲ್ಲಿನ ವರಧಕಿಣ್ಣೆ, ಜಾಗತೀಕರಣ ತಂದೊಡುತ್ತಿರುವ ಆತಂಕಗಳು. |
| CO5 | ಕನಡ ಸಾಹಿತ್ಯವ್ಯವಹಾರಿಕವಾಗಿ, ತಂತ್ರಜ್ಞಾನಕ್ಕೆ ಅನುಗುಣವಾಗಿ, ದಾಂಪತನ್ಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ ಮತ್ತು ಸಂಕೀರ್ಣವಾಗಿ ಹೇಗೆ ಸ್ಪಂದಿಸುತ್ತಿದೆ ಎಂಬುದರ ವಿಮರ್ಶೆ. |

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| Name of the course | Hindi |
| Class | BCA II |
| Course Code | 35403 |
| CO1 | स्नातक छात्र देश के सर्वांगीण विकास मे योगदान देंगे। |
| CO2 | स्नातक देश को विकास के मार्ग में अपनी उद्यमशीलता के साथ ले जाएंगे। |
| CO3 | स्नातक वर्ग गंभीरता से सोचने व प्रभावशाली ढंग से संवाद करने में सक्षम होंगे। |

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| CO4 | सामुहिक ढंग से कार्य करने की दक्षता प्राप्त होगी। जिससे वह सफल आजीविका पाने में सक्षम होगा। |
| CO5 | स्नातक वर्ग नैतिक मूल्यों को समझने वाला व संस्कृति का सफल वाहक बनेगा। |

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| Name of the Course | Suhrubeda 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.,. |
| CO3 | 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 |

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| 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) |

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| CO4 | Choose an engineering approach to solving problems, starting from the acquired knowledge of programming and knowledge of operating systems. (evaluation) |
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| 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 | |
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| 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. |
| CO3 | 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. |

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

| Course Outcomes | |
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| Name of the course | Computer Architecture |
| Class | II Sem BCA |
| Course Code | CA- C6T |
| 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

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| Name of the Course : | ಬಿ.ಸಿಎ |
| Class : | ಬಿ.ಸಿಎ ಮೂರನೇ ಸೆಮಿಸ್ಟರ್ ಎ ಮತ್ತು ಬಿ ವಿಭಾಗ |
| Course | ಗಣಕ ಸೌರಭ - 3 / AECKA3.5 |

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| Code: | |
| C01 | ದೈನಂದಿನ ಲಯ ಜಗತ್ತಿನ ಎಲ್ಲ ಜಾನ್ಮಶಾಖೆಗಳ, ವಾದ-ವಿವಾದಗಳ ನಡುವೆ ಬದುಕುವ ಪಶ್ಚಿಮಯ ದೊಡ್ಡದು. ಅಲ್ಲಿನ ಕಷ್ಟಸುಖಗಳ, ನಂಬಿಕೆ ಕನಸುಗಳ, ಗೆಲುವು-ಸೋಲುಗಳ ಪರಿಧಿಯಲ್ಲಿ ಬದುಕು ಅರಳುತ್ತದೆ. |
| C02 | ಸಾತ್ವಂತಃ ಪಾಪುಖ್ಯತಿಳಿದಿರುವ, ಅದನ್ನು ಹೇಗೆ ಪರಿಣಾಮಕಾರಿಯಾಗಿ ಬಳಸಿಕೊಳ್ಳಬೇಕು ಎಂಬ ದೂರ ದೃಷ್ಟಿಯಿರುವ ಯುವಕರು ನಮ್ಮಲ್ಲಿ ಅನೇಕರಿದ್ದಾರೆ. ಹಾಗೆಯೇ ಸಾತ್ವಂತಃನು ಹೇಗೆ ದುರುಪಯೋಗ ಮಾಡಿಕೊಳ್ಳಬಹುದು ಎಂಬುದರ ಮಾದರಿ ಪಾತ್ರಶಿಲ್ಪಿ ನಮ್ಮ ಕಣ್ಣೆದುರೇ ನಡೆಯುತ್ತಿದೆ. |
| C03 | ಭಾರತ ಸರ್ವಧರ್ಮ ಸಮನ್ವಯತೆಯಿಂದ ಕೂಡಿದ ರಾಷ್ಟ್ರ ವಿವಿಧತೆಯಲ್ಲಿ ಏಕತೆಯನ್ನು ಸಾರುವುದು ಇಲ್ಲಿನ ಉದ್ದೇಶ. ವಿವಿಧ ಸಂಸ್ಕೃತಿ, ವಿಭಿನ್ನ ಸಂಪ್ರದಾಯ, ವಿವಿಧ ಭಾಷೆಗಳ ನಾಡುವ ಜನ ಇಲ್ಲಿ ಕಾಲಾನುಕಾಲದಿಂದ ಪ್ರೀತಿ, ಕರುಣೆ, ಸಹನೆ, ಪರಧರ್ಮ ಸಹಿಷ್ಣುತೆ, ಸಮಾನತೆಗಳಿಂದ ಬದುಕುತ್ತಿದ್ದಾರೆ. |
| C04 | ಹದಿಹರೆಯದ ಸಮಸ್ಯೆಗಳು, ಸವಾಲುಗಳು, ಅರಿವು. ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ ಕ್ಷೇತ್ರ ಬೆಳೆದಂತೆ ನಮ್ಮ ಸುತ್ತಲಿನಲ್ಲಿ ಆಗುತ್ತಿರುವ ಆಗಾಧವಾದ ಬದಲಾವಣೆಗಳು. ಜಾತಿ ಮತ್ತು ಧರ್ಮದ ಹೆಸರಿನಲ್ಲಿ ನಡೆಯುತ್ತಿರುವ ಸಂಘರ್ಷಗಳ ವಿವರಣೆ. |
| C05 | ದೈನಂದಿನ ಲಯ ಜನಪದರಲ್ಲಿ ಆಧುನಿಕ ಮಾನವರ ಆರೋಗ್ಯ ಹಾಗೂ ಪಾಣಿಗಳಿರುವ ರೀತಿ. ಸಾತ್ವಂತಃ ಪೂರ್ವ ಆಧುನಿಕ ಯುಗದ ಮೇಲೆ ಬೀರಿರುವ ಪೂರ್ವ, ಭಾರತದಂತಹ ರಾಷ್ಟ್ರಗಳಲ್ಲಿ ಕೋಮು ಸೌಹಾರ್ದ ಹಾಗೂ ಆಧುನಿಕ ತಂತ್ರಜ್ಞಾನದ ಪೂರ್ವಗಳ ವಿವರಣೆ. |

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| 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 |
| C01 | Students will be introduced A critical study of Champu Literature in Sanskrit. |
| C02 | Students will learn about the greatness of Heaven |
| C03 | The students will be able to visualise role models with presentation of stories and relevant subjects and understand the culture. |

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| CO4 | The students will be able to learn the value education. |
| CO5 | Students will learn about contributions of ancient works to the modern world. |

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| 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 |
| CO5 | Acquired language skills for competitive examinations - UPSC/KPSC/IBPS/SSC/RAILWAYS/TOEFL/IELTS and others. |
| Name of the course | Kavaya Samruddhi |
| Class | BCA III |
| Course Code | AECHN3.5 |
| CO1 | काव्य के सौन्दर्य को अनुभव करना। |
| CO2 | साहित्य के विभिन्न रूपों का ज्ञान। |
| CO3 | भक्तिकालीन व आधुनिक काव्य द्वारा काव्य की विधाओं से अवगत कराना। |

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| CO4 | तकनीकी शब्दों का ज्ञान कराना। |
| CO5 | व्यवहारिक भाषा का ज्ञान देना। |

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| 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 accustomed 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 | |
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| 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. |

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| CO4 | Student should be able to learn Transport layer function, TCP services . |
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| 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. |
| CO3 | Configuration of LAN, VLAN using packet tracer. |
| CO4 | Students will learn about blocking of website, folder sharing, patch cord, box fixing. |

IV Sem BCA

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| Name of the Course : | ಬಿ.ಸಿಎ |
| Class : | ಬಿ.ಸಿಎ ನಾಲಠೇ ಸೆಮಿಸ್ಟರ್ ಎ ಮತ್ತು ಬಿ ವಿಭಾಗ |
| Course Code: | ಗಣಕ ಸೌರಭ - 4 / AECKA4.5 |
| CO1 | ಹಲೆಯ ನಾಗರೀಕತೆಯಲಿ ಶ್ರೀರಾಮ ಸೀತೆಯನುಗ್ಧರೀತಿ, ಹೂಸ ನಾಗರೀಕತೆಯಲಿ ಫೂಬೈಲ್ ನಮಢ್ಢೇಲೇರಿ ಬರುತಿರುವ ರೀತಿ. ಆಧುನಿಕ ಒಲಂಫಿಕ್ ಕ್ರೀಡಾಕೂಟಗಲ ಗೆಲುವು. |
| CO2 | ಅಭಿವೃದ್ಧಿಯ ಹೆಸರಿನಲಿ ಧಾರ್ಮಿಕ ಸಲ್ಲಗಲು ಬದಲಾಗುತಿರುವ ರೀತಿ, ಢಾನವ ನಿರ್ಮಿಸುತಿರುವ ಸಮಸೆಗಲು, ಬಡತನ ನಿರ್ಮೂಲನಕೆ ಸಂಪತ್ತಿನ ಅಗತಢೆ. |
| CO3 | ಕರುಣೆಯ ಹಿನಲೆಯಲಿ ಢುಲೆರಾಜನ ಕರುಣೆ, ಅಢ್ಢುಗುಣಗಲು ಢಗಲಾದ ಢನುವಿನ ರಾಣಿಯ ಢೇಲೆ ಬೀರಿದ ಪರಿಣಾಢಗಲು, ಒಲುಢೆಯನು ಯಾರಿಂದಲು ತಡೆಯಲು ಸಾಧ್ಯಲಿಲ್ಲಂಬ ಸತ್ಯ |
| CO4 | ಸಂಕೀರ್ಣದಲಿ ಕೈಲಾಸಂ ಅವರ ಗಾಂಧೀ ಚಿತ್ರಣ, ದಾರವಾಡದಲಿ ರಾಜೇಂದ್ರಕೆನಿಕ್ಷಲೆದ ಪಡೆದಿನಗಲು, ಎಲೆ ಢರೆಯ ಕಾಯಿಯ ಹಾಗೆ ಇರುವ ಯಾರು ಅರಿಯದ ವೀರರು. |
| CO5 | ಹಲೆಯ ಢತ್ತು ಹೂಸ ನಾಗರೀಕತೆಯ ಢುಖಾ-ಢುಖಿ, ಅಭಿವೃದ್ಧಿಯ ಹೆಸರಿನಲಿ ನಡೆಯುತಿರುವ ಪಕ್ಕತಿಯ ನಾಶ, ಕರುಣೆಯ ಢಹತ್ವ ಢತ್ತು ಸಂಕೀರ್ಣದ ಅವಶ್ಯತೆ. |

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| Name of the course | Madhavi |
| Class | BCA IV |
| Course Code | 36403 |
| CO1 | नाट्य विधा के साथ उसके मंचन व प्रदर्शन से छात्र अवगत होता है। |

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| CO2 | छात्रों में नैतिक मूल्यों का विकास। |
| CO3 | स्नातक परिस्थितियों को समझने में सक्षम होते हैं। |
| CO4 | पूंजीपति वर्ग का शिक्षा पर पडने वाला प्रभाव। |
| CO5 | तकनीकी शब्दों का ज्ञान। |

| Name of the Course | Abhijnana Shakuntalam – 4th and 5th Act, Dramaturgy and Dramatists |
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| 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. |
| CO3 | Students will understand the character and behaviour of Dushyantha & Shakuntala. They also learn the depicts of contemporary 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 & theoretical aspects related to the production of the play. |

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| 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 |
| CO3 | 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 |

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| Name of the Course | Software Engineering |
| Class | IV Sem BCA |
| Course Code | DCCA105T |
| 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 | |
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| 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. |
| CO3 | Learning about space and time trade off with some algorithms. |
| CO4 | Learning about decision trees and different types of problem solving. |

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| 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. |

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| 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. |
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| Name of the Course | Data Communication and Networks |
| Class | V Sem BCA |
| Course Code | BCA501T |
| CO1 | Students should be able to understand the use of client/server architecture, inter process communication and to explain the basic communication protocols. |
| CO2 | Students should be able to gain knowledge of transmission media and Multiplexing. |
| CO3 | Students should be able to understand File transfer protocol, Point to Point Protocol |
| CO4 | Students should be able to Learn LAN Structure and their functions. |
| CO5 | Students should be able to understand Network Standards, Bridges and routing algorithms . |
| Name of the course | Data Mining |
| Class | V sem BCA |
| Course Code | BCA505T |
| CO1 | Understanding the functionality of the various data mining and data warehousing component. |
| CO2 | Appreciate the strengths and limitations of various data mining and data warehousing models. |
| CO3 | Explain the analyzing techniques of various data. |

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| CO4 | Describe different methodologies used in data mining and data ware housing. |
| CO5 | Compare different approaches of data ware housing and data mining with various technologies. |

| Course Outcomes | |
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| Name of the course | Artificial Intelligence |
| Class | V Sem BCA |
| Course Code | BCA503T |
| 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 Outcomes | |
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| Name of the course | Theory of Computation |
| Class | V sem BCA |
| Course Code | BCA505T |
| CO1 | Analyse and design finite automata, pushdown automata, Turing machines, formal languages, and grammars. |
| CO2 | Demonstrate the understanding of key notions, such as algorithm, computability, decidability, and complexity through problem solving. |
| CO3 | Prove the basic results of the Theory of Computation. |

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| CO4 | State and explain the relevance of the Church-Turing thesis. |
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| Name of the Course | Professional Business Communication |
| Class | VI Sem BCA |
| Course Code | BCA602T |
| CO1 | Make effective presentations |
| CO2 | Participate effectively in group discussions |
| CO3 | Attend job interviews and be successful in them |
| CO4 | Develop adequate soft skills required for the work place |
| CO5 | Develop team dynamics and collaborative skills |

| Course Outcomes | |
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| Name of the Course | Project |
| Class | VI SEM BCA |
| Course Code | BCA605P |
| 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. |

| Course Outcomes | |
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| Name of the Course | System Programming |
| Class | VI SEM BCA |
| Course Code | BCA601 |
| CO1 | To understand the role played by system softwares such as assembler, interpreter, linker, loader and compilers in the development of IT solutions. |
| CO2 | Design a compiler for an elementary language grammar. |
| CO3 | Develop elementary assembler and interpreter and Macro processor |
| CO4 | Get the concepts of different Parsing techniques and syntax trees |

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| Name of the Course | Web Programming (TH & L) |
| Class | VI Sem BCA & B.Sc |
| Course Code | BCA605T |
| CO1 | Understand the basics of Web Programming concepts, XHTML, Hyperlinks etc |
| CO2 | Understand, analyze and create web pages using HTML, DHTML and Cascading Styles sheets, Box Model |
| CO3 | Understand the basics of JavaScript, Data types, Functions, Arrays. |
| CO4 | Understand, analyze and build interactive web applications, DOM |
| CO5 | To build dynamic web pages with validation using JavaScript objects and by applying different event-handling mechanisms. Understand, Analyse and create XML documents and XML Schema |

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| Name of the Course | Machine Learning |
| Class | VI Sem BCA |
| Course Code | BCA603T |
| 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 |
| CO3 | 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 K- Means, DBSCAN, and others. |