

**B.Sc**  
**Course Outcomes**  
**Academic Year 2023-**  
**24**

**I Sem BSc**

<b>Name of the Course :</b>	<b>ವಿಸ್ತಾರ, ಬ.ಎಸ ಮೌದಲ ಸೆಮಿಸಿ</b>
<b>Class :</b>	<b>ಬ.ಎಸ ಮೌದಲ ಸೆಮಿಸಿ</b>
<b>Course Code:</b>	<b>AECKA .2.2</b>
<b>CO1</b>	ಪದವದದರ ಪರವಿಷಯಗಳ ಕುರ ಸಾಮಾ ನಿರಾಮಷಯ ತಮಾಮವಿಗಳ ಹೊಂದರ.
<b>CO2</b>	ಪದವದದರ ಕಲಪ, ಮೈಕ ಚೊಂಪಿ ಜೊತ, ವಿಮರ ದೃಷ್ಟಮಾಣೀಪರಷ್ಯ ಅಧಾ಼ಿಮದ ಮಲಕ ಬಯಳ್ಳೊಕರ
<b>CO3</b>	ಪದವದದರ ಸಿಸಷ್ಯ ಅಧಾ಼ಿಮ ಿರ ಪ್ಪಾ಼ಿದ ಕಕಡಹಿ ಕೌಲ್ ಪಡೊಕರ
<b>CO4</b>	ಪದವದದರ ಆಧನಕ ಸಮೂ ಾಧಾ಼ಿಷಯ ಮಲಕ ಿರ್ ಿರ್ ಷುಮ ಾಧಾ಼ಿಷಯ ಮಲಕ ಭಾಣಿಗಳ ಸೂಮಂೊದ ಿಕತ ಬಯಸಾ ಜಮ್ಾಗಳ ಹೊಂದರ
<b>CO5</b>	ಪದವದದರ ಿಕಂತಂೊದ ಿಂವ ವವಿಗಳ ಪುಿಂಂತಿ ಅಭ್ಯಾಕೃತ ಕೌಲತಗಳ ಹೊಂದರ

<b>Name of the course</b>	<b>kaavya smruti</b>
<b>Class</b>	<b>B.Sc I</b>
<b>Course Code</b>	<b>Hindi</b>
<b>CO1</b>	<b>भक् और नीति की तिक प्र करन्।</b>
<b>CO2</b>	<b>धत्मक गरं के उद्ध द्र सीख तलन्।</b>

CO3	नैतिक ूलं के ्हत् कं बिन्।
CO4	श्र्द की तनःस्रम भ्न् कं दिमन्।
CO5	र्षे और स्तहत से् की भ्न्।

Name of the Course	<b>Yakshaprashna Sangraha, Grammar and Comprehension</b>
Class	<b>1 Sem B.Sc.,</b>
Course Code	<b>AECC05.4</b>
CO1	Students will gain/learn basic knowledge of Sanskrit language.
CO2	Students will gain/learn knowledge about Indian epics, particularly Mahabharath. Students will gain/learn the virtues of good human being.
CO3	Students will gain/learn Sense of open mindness, impartial behaviour, un-biased nature, Zeal to help others.
CO4	Students will gain/learn declination and conjugation of nouns and verbs in the Sanskrit language.
CO5	Students will gain/learn to understand and interpret some simple unread passages.

<b>Course Outcomes</b>	
<b>Name of the Course</b>	<b>Problem Solving Techniques (TH &amp; L)</b>
<b>Class</b>	<b>I Sem B.Sc</b>
<b>Course Code</b>	<b>DCCS101</b>
<b>CO1</b>	<b>Follow the role of Algorithms in computers, Asymptotic Notations, Generating algorithms.</b>
<b>CO2</b>	<b>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</b>
<b>CO3</b>	<b>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</b>
<b>CO4</b>	<b>Student will be able to handle operations like searching- Binary &amp; Linear, sortings like Insertion, Selection sort, Merge Sort and text processing.</b>

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

<b>Name of the Course</b>	<b>Electronic Devices and Devices Lab</b>
<b>Class</b>	<b>I Semester B.Sc</b>
<b>Course Code</b>	<b>ELE-CP1</b>
<b>CO1</b>	<b>Ability to design / develop / manage / operation and maintenance of sophisticated electronic gadgets / systems / processes that conforms to a given specification within ethical and economic constraints.</b>
<b>CO2</b>	<b>Study about Rectifiers, Voltage Regulators and Voltage Multipliers</b>
<b>CO3</b>	<b>Verification of Network theorems and VI characteristics of Pn junction and Zener diode</b>
<b>CO4</b>	<b>Study transistor characteristics and RLC circuits</b>
<b>CO5</b>	<b>Basic Knowledge about logic gates and universal property of NAND and NOR</b>

<b>Name of the Course</b>	<b>Electronic Devices and Devices</b>
<b>Class</b>	<b>1 Semester B.Sc</b>
<b>Course Code</b>	<b>ELE-CT1</b>
<b>CO1</b>	<b>Aptitude to apply Logic thinking and Basic Science knowledge for problem solving in various fields of electronics both in industries and research</b>
<b>CO2</b>	<b>To acquire experimental skills, analysing the results and interpret data</b>
<b>CO3</b>	<b>Ability to design / develop / manage / operation and maintenance of sophisticated electronic gadgets / systems / processes that conforms to a given specification within ethical and economic constraints.</b>
<b>CO4</b>	<b>Capacity to identify and implementation of the formulae to solve the electronic related issues and analyze the problems in various sub disciplines of electronics.</b>

<b>Name of the Course</b>	<b>Corporate Mathematics</b>
<b>Class</b>	<b>I Sem B.Sc</b>
<b>Course Code</b>	<b>MATOET1</b>
<b>CO1</b>	<b>Student should be able to Learn types of equations and methods to solve linear, quadratic equations.</b>

CO2	Student should be able to Learn how to represent data through graphs and analyze.
CO3	Student should be able to Learn frequency distribution , mean, median and mode.
CO4	Student should be able to Learn GM, HM, AM concepts
CO5	Student should be able to Learn Learn formation and solution of LPP through graphical methods.

## II Sem BSc

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.

Name of the Course	Vigraha of Hitopadesha Grammar, Translation and Comprehension
Class	II Sem B.Sc.,
Course Code	AECSK2.4
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

Name of the Course :	ಷಿಸೌರ 2ಲ ಸೆಮಸಿ
Class :	ಷಿಸೌರ 2ಲ ಸೆಮಸಿ
Course Code:	ಷಿಸೌರ -AECKA2.2
CO1	ಪೂರ್ವೋರ ವವವ ಕವಿ, ಕಥ,ಲೇನಗ ರಪ ಮರ್ಪನಗ ಬಗಗ ತಿಳಿವ ಪಡೆದುಕರ ಹಾ ಪರವ್ಯ ಸಂಬಸೊ ಕವಿ, ಕಥ,ಲೇನಿಳ ಬರಳ ವಿಷನಗಳನ ಕುರ ವಿಮರ್ಶಕ ಚುತಷಳನ ಬೆಸದುಕರ
CO2	ಪೂರ್ವೋರ ಭಾಂ-ಸತತ್ಯೊ ಉತಿ ಸಳವಾ ರಿರ ಮ್ವವವಷ ಮದನಳನ ಬಗಸದಿಕೊ ಸೊಶ್ ಮು ಮಮಾವ, ಧರಕ,ರಾಜವಷ ತಿಳಿವಷಳನ ಪಡೆ ಪುಹೊಳಳನ ಕಂದುಕರ ಹಾ. ಭಾಂ-ಸತತ್ಯೊ ಉತಿ ಸಳವಾ ರಿರ ಮ್ವವವಷ ಮದನಳನ ಬಗಸದುಕರ
CO3	ಸೊಶ್ ಮು ಮಮಾವ, ಧರಕ, ರಾಜವಷ ತಿಳಿವಷಳನ ರಿರ ನಷಕ್ಕನ ಬೆಸದುಕರ
CO4	ಪೂರ್ವೋರ ಭಾಂ-ಸತತ್ಯೊ ಉತಿ ಸಳವಾ ರಿರ ಮ್ವವವಷ ಮದನಳನ ಬಗಸದಿಕೊ
CO5	ತಿರನಗ್ಗ, ಕದತ್, ಮೈಕ ಚುತ ರಿರ ಸ್ಾತ್ ಮ್ಾತ್ ಮಮಾವ, ಧರಕ, ರಾಜವಷ ತಿಳಿವಷಳನ ಪಡೆದುಕರ.

Name of the Course	Analog and Digital Electronics
Class	II Semester B.Sc
Course Code	ELE-CT2

CO1	Understand and study the behaviour of the semiconductor devices ie., I-V characteristics of various MOSFET devices the knowledge can be extended for understanding the behaviour /characteristics/ response of unknown / novel devices
CO2	Applying the standard device models to explain/calculate critical internal parameters of semiconductor devices
CO3	Understanding and characterizing the behaviour of known/unknown/novel power electronic devices such as UJT, SCR, Diac, Triac etc
CO4	Understanding the working of basic logic gates, concepts of Boolean algebra and techniques to simplify Boolean expressions. Synthesizing and Analyzing combinational and sequential circuits and their applications in electronics

Name of the course	kavya smruthi
Class	B.Sc II
Course Code	
CO1	संस्कृत छत देवि के सुखीमत्स यं द्र देवे।
CO2	संस्कृत देवि कं त्वं के काम अपनी उद्विगीलि के स ले जणै।
CO3	संस्कृत कामाभीरि से संचने पभ्रिंली ढा से सुद करने सक हं।
CO4	सुतहक ढा से क्यमकरने की दकि प्र हं। तजससे ह सफल आजीत्क प्रे सक हं।
CO5	संस्कृत नैतिक लं कं स्झने ल सस्ति क सफल हक बने।

Course Outcomes	
Name of the Course	Data Structure
Class	II Sem BSc
Course Code	DCCS2T
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

### III Sem BSc

Name of the Course :	ಬ.ಎಸ್
Class :	ಬ.ಎಸ್ ಮೂಲ ಸೆಮಿಸಿ
Course Code:	ಮಿಸೌರ -3/ AECKA3.2
CO1	ಶಿಲಿ ಎದಲೊ ಕೊದಯಿ ಭಾವವಳ ಮ್ಹವತೊ ಶಿಲಿಗ ಅಪೊ ಗೊಳದಂಯಿ. ಆರ ಬೆಜ್ ಮಕದ ಜದರನಗ ಮದರಿ ಬ್ಲವಗನಗಲನ ಅಲ್ಲವಅನೊರ ಅಳಳ ಬೆಕತರ್ಲ ಪುಮೊಲಳವ ಹಂಕಯಿ.
CO2	ಅಲಮು ಜವಳ ಶಿಲಿಗ ಪದ ಸಸಕೊ ಪೆಪಿವ, ಪಳರ ತಮತ ಮಿ ತವರಯಿ. ದವವಕ ಳಬರುವವಿವನದ ಶಿಸೊರ ಅಲಮುರಯಿ. ದೇ, ಂನವಂಳ ಕುವದ ಪಡುಮಕ ಕೊರ. ಶಿಲಿ ಆಳ್ವಾ ಲೆದಪ ಅಳೇಕಿಗ ಆಧೌವೌಬಹೆ.
CO3	ಶಿಲಿ ವ್ಯಂವರನು ದೇಳಳನ ಕಂತರ್ಲ ಂವಾರ ಮಿಸನಿಗ ಪುಹೌವದಳ. ಶಿತ ಮಿಸ, ಂನ ಬೊ, ಉಗಕಳರ- ಬಕಳರ ಹಾ ಧೆರಕ ಭಾಳತನಿ ಳಜ್ ಬಾಪಿನ ಮ್ಹಳ ಮಿಸನಿಗ ಪುಹೌ ಹಂಕು ಸವ್ ಎಬೆ ಂವಾರತೊ ಮವತು.
CO4	ಶಿಲಿ ಮತದಳನ ಮೆವಳ ಛದಳಳನ ರೂಸದಗಕಬಕ. ಗಾಪಿವೊಳ ಸಂವವತ, ಮನಗ್ ಅನಗವಕ ಭಾಂ ರಳ ಪದರೇಮೂವಿಆಕೇತವಪ ಸಂವವತ ಈ ಶನುಷುಳ ಳಡು



CO5	ಮೈ ಕಪ ಆರಟಿಕೊ ತದ್ ಮಂದಳರಗ ಂರೊ ಿಂ. ದೇ ವರ ದ್ವೇ ಒ ಎಬ ಪದತಮೊ ಅಳರಳನಿ, ಶಿಳ್ಳನಬೂಬವೆಳ ವೈಕದುತ, ಮತುನಗಳನಮೆಸ ಗೊವಿವ್ವಪರ.
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	एक और दंद्यम
Class	B.Sc III
Course Code	33303
CO1	न्त त्थ के स्र उसके ्चन पदिमन से छत अ्ाि हंि है।
CO2	छत् नैतिक ूल् क त्स।
CO3	स्िक पररक्रतियं कं सझने सक हंि है।
CO4	पूजीपति, म्क् तिक पर पडने ्ल पभ्।
CO5	िकनीतक िबं क ज़।

<b>Name of the Course</b>	<b>Neelakanta Vijaya Champu of Neelakanta Dixita (Prathama Ashwasa) and Science in Sanskrit</b>
<b>Class</b>	<b>3rd Sem B.Sc.,</b>
<b>Course Code</b>	<b>AECSK 3.4</b>
<b>CO1</b>	Students will be introduced A critical study of Champu Literature in Sanskrit.
<b>CO2</b>	Students will learn about the greatness of Heaven
<b>CO3</b>	The students will be able to visualise role models with presentation of stories and relevant subjects and understand the culture.
<b>CO4</b>	The students will be able to learn the value education.
<b>CO5</b>	Students will learn about contributions of ancient works to the modern world.

<b>Name of the Course</b>	<b>Programming in C and Digital Design using Verilog Lab</b>
<b>Class</b>	<b>III Semester B.Sc</b>
<b>Course Code</b>	<b>ELE-CP3</b>
<b>CO1</b>	<b>Illustrate and explain the basic computer concepts and programming principles of C language.</b>
<b>CO2</b>	<b>Develop C programs to demonstrate the applications of derived data types such as arrays, pointers, strings and functions</b>
<b>CO3</b>	<b>Apply the acquired knowledge of digital circuits in different levels of modeling using Verilog HDL.</b>
<b>CO4</b>	<b>Design and verify the functionality of digital circuit/system using test benches. Develop the programs more effectively using directives, Verilog tasks and constructs.</b>

<b>Name of the Course</b>	<b>Programming in C and Digital Design using Verilog</b>
<b>Class</b>	<b>III Semester B.Sc</b>
<b>Course Code</b>	<b>ELE-CT3</b>

<b>CO1</b>	<b>Illustrate and explain the basic computer concepts and programming principles of C language.</b>
<b>CO2</b>	<b>Develop C programs to demonstrate the applications of derived data types such as arrays, pointers, strings and functions</b>
<b>CO3</b>	<b>Apply the acquired knowledge of digital circuits in different levels of modeling using Verilog HDL.</b>
<b>CO4</b>	<b>Design and verify the functionality of digital circuit/system using test benches. Develop the programs more effectively using directives, Verilog tasks and constructs.</b>

<b>Course Outcomes</b>	
<b>Name of the Course</b>	<b>OBJECT ORIENTED PROGRAMMING USING JAVA</b>
<b>Class</b>	<b>III Sem BSc</b>
<b>Course Code</b>	<b>DCCS3T</b>
<b>CO1</b>	<b>Students can understand the use of Java programming language for various programming technologies (understanding)</b>
<b>CO2</b>	<b>Evaluate user requirements for software functionality required to decide whether the Java programming language can meet user requirements (analysis)</b>
<b>CO3</b>	<b>Propose the use of certain technologies by implementing them in the Java programming language to solve the given problem (synthesis)</b>
<b>CO4</b>	<b>Choose an engineering approach to solving problems, starting from the acquired knowledge of programming and knowledge of operating systems. (evaluation)</b>

## **IV Sem BSc**

<b>Name of the Course</b>	<b>Generic English</b>
<b>Class</b>	<b>IV Sem BSC</b>
<b>Course Code</b>	<b>AECEN4.3</b>
<b>CO1</b>	<b>Acquired creative, interpretative and critical thinking</b>
<b>CO2</b>	<b>Skills to communicate confidently and effectively</b>
<b>CO3</b>	<b>Obtained persuasive and creative social media writing</b>

	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 :	ಬ.ಎಸ್
Class :	ಬ.ಎಸ್ ನ್ನಕಲ ಸೆಮಸಿ
Course Code:	ಷಿಸೌರ -4 / AECKA4.2
CO1	ಗೂರಿತ ಲವಕೂಳ ಳಿನ್ನ ಶಡುಷು ಂಬ ಚರರ, ಹರೂ ಮಲ ಬಟ ಹಿತಮು ಬಟಿ ಂು ವರವದಳು ಪೌಿಂಳ ಸತ್ ಹಾ ಪರವಕ ಪ್ಪಹಕದಳು ಮದನೂಳುಗೂ ರಿದಕಗ್ಗೂ ಂವತ.
CO2	ಮಶಿಷ್ಠ ಬಹ ಉಪಿವತ ಬತರ ಮಳೂನ ಮಮ್ತ ಕಾಳ ಂವತ, ವಿರಜಕರಳ ಸಮಜಕ ಂತಾಂನಿ, ಮಪ ವಮವಚತಷ ಮೇರೂ ಚರರನಿ.
CO3	ಆಧ್ಯ ಿನೂಳ ಿವಾಿ ಳನರೂ ಶದವಸಮ್ ಿಕ ಏನರತತ ಂಬೂವಕ ಮಮು ಮನಿೌಪ್ಪಚ್ಚ, ಿವಾಿ ಳನರೂ ಉದವ್ನಮರ್ ಿತುಗೂ ಿತಗ ಸಸೌ ಬೂಲಳವ, ವೈುುು ಮಲ ಚೂದರತಡ್ಡಡೂ ಕದಷರ.
CO4	ಪರರನಗ್ಗ, ಭೂಷಳನ ನವೂೂ ಂವತ, ಷಿ ಮು ಕ್ಕಷ ಜವಳ ಚ್ಚ ಕನರಟಕೂಳ ಅಸುುಾದ ಕು ಅವಷ್ಕನಿ.
CO5	ಗೂರಿತ ಲವಕೂ ಚ್ಚ ವವವ ಘಟಿೂಳ ಮಶಿಷಿ ಚರರನಿ, ಆಕಗಿನೂಳಶದವಸಮ್ ಿಕ ಿಮ್ುತಿಕತರ್ಳ ಂವತ ಹಾ ಸಜವರರತತರಳ ಭೂಿ, ವಿಜ್ಞ ಬೆಕ ಹಾ ಅಸ ಂದ ಅವಷ್ಕನಿ.

Name of the course	Daud(Drama)
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Class	B.Sc IV
Course Code	33403
CO1	छत्े नैतिक ूल क् त्स।
CO2	सिक पररक्रतियं कं सझने सक हंिे है।
CO3	पूजीपति, मक् तिक पर पडने ल् पभ्।
CO4	िकनीतक िबं क् ज्ञ।
CO5	सिक, मनैतिक ूलं कं सझने ल् सस्ति क् सफल हक बने।

Name of the Course	<b>Madyama Vyayoga of Bhasa, Dramaturgy and Dramatists</b>
Class	IV Sem B.Sc.,
Course Code	AECSK4.4
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 Gatotkacha & also learn the depicts of contemporary society & highlights of human values.
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.

Name of the Course	Electronic Communication I Lab
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<b>Class</b>	<b>IV Semester B.Sc</b>
<b>Course Code</b>	<b>ELE-CP4</b>
<b>CO1</b>	<b>Understand the types of amplifiers-IF Amplifier and study the characteristics of Optical Fibre Communication</b>
<b>CO2</b>	<b>Understand different modulation and demodulation schemes for analog and digital communications</b>
<b>CO3</b>	<b>Analyze and determine the performance of transmitter and receiver circuits</b>
<b>CO4</b>	<b>Understand the multiplexing techniques and Voltage controlled Oscillator</b>
<b>CO5</b>	<b>Study the characteristics of radio receivers , Frequency Multiplier and Frequency Mixer.</b>

<b>Name of the Course</b>	<b>Electronic Communication I</b>
<b>Class</b>	<b>IV Semester B.Sc</b>
<b>Course Code</b>	<b>ELE-CT4</b>
<b>CO1</b>	<b>Know the basic concept of Analog Communication, means and medium of communication</b>
<b>CO2</b>	<b>Understand the principle of Analog and digital modulation.</b>
<b>CO3</b>	<b>Familiar with AM and FM techniques</b>
<b>CO4</b>	<b>Understand the basic concept of Pulse Modulation, Carrier Modulation for digital transmission and able to construct simple pulse modulation.</b>
<b>CO5</b>	<b>Understand the basic concept of Satellite Communication</b>
<b>CO6</b>	<b>Understand the basic concept of Optical Fibre Communication</b>

<b>Course Outcomes</b>	
<b>Name of the Course</b>	<b>Operating Systems</b>
<b>Class</b>	<b>IV Sem BSc</b>
<b>Course Code</b>	<b>CA-CS4T</b>
<b>CO1</b>	<b>Student will learn basic concepts, OSI reference model, TCP / IP, Analog and digital data transmission.</b>

<b>CO2</b>	<b>Student will be able to get flow control techniques.</b>
<b>CO3</b>	<b>Student should be able to learn different Network layer i.e logical addressing, sub netting&amp; routing.</b>
<b>CO4</b>	<b>Student should be able to learn Transport layer function, TCP services .</b>

## **V Sem BSc**

<b>Course Outcomes</b>	
<b>Name of the course</b>	<b>Database Management Systems (TH &amp; L)</b>
<b>Class</b>	<b>V Sem BSc</b>
<b>Course Code</b>	<b>CS-C5T</b>
<b>CO1</b>	<b>Acquire knowledge in fundamentals of Data Base Management System, Define the terminology, features, classifications, Architecture and characteristics embodied in database systems.</b>
<b>CO2</b>	<b>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.</b>
<b>CO3</b>	<b>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.</b>
<b>CO 4</b>	<b>Acquire knowledge in Transaction Processing systems, Properties of Transactions, Locking and Recovery techniques.</b>

<b>Course Outcomes</b>	
<b>Name of the course</b>	<b>Artificial Intelligence</b>
<b>Class</b>	<b>V Sem BSc</b>
<b>Course Code</b>	<b>CS-C6T</b>
<b>CO1</b>	<b>Understand the various characteristics of problem solving agents and apply problem solving through search for AI applications</b>
<b>CO2</b>	<b>Appreciate the concepts of knowledge representation using Propositional logic and Predicate calculus and apply them for inference/reasoning</b>
<b>CO3</b>	<b>Obtain insights about Planning and handling uncertainty through probabilistic reasoning and fuzzy systems.</b>
<b>CO 4</b>	<b>Understand basics of computer vision and Natural Language Processing and understand their relevance in AI applications</b>

## **VI Sem BSc**

<b>Name of the Course</b>	<b>Python Programming</b>
<b>Class</b>	<b>VI Sem BSc</b>
<b>Course Code</b>	<b>CSC7-T</b>
<b>CO1</b>	<b>Knowledge in basics of Python Programming, how to use variables and expressions, conditional statements, loops, control statement and usage of functions and strings.</b>
<b>CO2</b>	<b>Get accustomed to the various operations used in Lists, functions of Tuples and Dictionaries, and the concept of Sets.</b>
<b>CO3</b>	<b>Familiar with types of files, file methods, Object Oriented Programming concepts such as classes, objects, inheritance, method overriding, data encapsulation, polymorphism.</b>
<b>CO4</b>	<b>Develop skills to plot different types of graphs using CSV / JSON file format and work with Web APIs.</b>



<b>Course Outcomes</b>	
<b>Name of the Course</b>	<b>Computer Networks</b>
<b>Class</b>	<b>VI Sem BSc</b>
<b>Course Code</b>	<b>CA-C8 T</b>
<b>CO1</b>	<b>Students will learn about different Commands, network cables and IP address configuration.</b>
<b>CO2</b>	<b>Students will learn about different network devices, switches.</b>
<b>CO3</b>	<b>Configuration of LAN, VLAN using packet tracer.</b>
<b>CO4</b>	<b>Students will learn about blocking of website, folder sharing, patch cord, box fixing.</b>