COURSE OUTCOMES - 2022 SCHEME

1st Semester-A section (CSE)

Subject:	Mathematics-I for Computer Science and Engineering stream		
Subject Code:	BMATS101	NBA Code:	BSCS101
CO1	Apply the knowledge of calculus to solve problems related to polar curves and learn the		
CO2	Notion of partial differentiation to compute rate of change of multivariate functions		
CO3	Analyze the solution of linear and nonlinear ordinary differential equations		
CO4	Get acquainted and to apply modular arithmetic to computer algorithms		
CO5	Make use of matrix theory for solving the system of linear equations and compute		

Subject:	Applied Physics for CSE Stream		
Subject Code:	BPHYS102	NBA Code:	BSCS102
CO1	Describe the principles of LASERS and Optical fibers and their relevant applications.		
CO2	Discuss the basic principles of the Quantum Mechanics and its application in Quantum Computing.		
CO3	Summarize the essential properties of superconductors and its applications in qubits.		
CO4	Illustrate the application of physics in design and data analysis.		
CO5	Practice working in groups to conduct experiments in physics and perform precise and honest measurements.		

Subject:	Principles of Programming using C		
Subject Code:	BPOPS103	NBA Code:	BSAD103
CO1	Elucidate the basic architecture and functionalities of a computer and also recognize the hardware parts.		
CO2	Apply programming constructs of C language to solve the real world problem		
CO3	Explore user-defined data structures like arrays in implementing solutions to problems like searching and sorting		
CO4	Explore user-defined data structures like structures, unions and pointers in implementing solutions		

Subject:	Introduction To Mechanical Engineering		
Subject Code:	BESCK104D/204D	NBA Code:	BSCS104
CO1	Explain the concepts of Role of Mechanical Engineering and Energy sources.		
CO2	Describe the Machine Tool Operations and advanced Manufacturing process.		
CO3	Explain the Working Principle of IC engines and EV vehicles.		
CO4	Discuss the Properties of Common Engineering Materials and various Metal Joining Processes.		
CO5	Explain the Concepts of Mechatronics, Robotics and Automation in IoT		

Subject:	Renewable Energy Sources		
Subject Code:	BETCK105E	NBA Code:	BSCS105
CO1	Describe the environmental aspects of renewable energy resources. In Comparison with various conventional energy systems, their prospects and limitations		
CO2	Describe the use of solar energy and the various components used in the energy production with respect to applications like-heating, cooling, desalination, power generation.		
CO3	Understand the conversion principles of wind and tidal energy		
CO4	Understand the concept of biomass energy resources and green energy		
CO5	Acquire the basic knowledge of ocean thermal energy conversion and hydrogen energy.		

Subject:	Communicative English		
Subject Code:	BENGK106	NBA Code:	BSCS106
CO1	Understand and apply the Fundamentals of Communication Skills in their communication skills.		
CO2	Identify the nuances of phonetics, intonation and enhance pronunciation skills.		
CO3	To impart basic English grammar and essentials of language skills as per present requirement.		
CO4	Understand and use all types of English vocabulary and language proficiency.		
CO5	Adopt the Techniques of Information Transfer through presentation.		

Subject:	Indian Constitution		
Subject Code:	BICOK107-207	NBA Code:	BSCS107
CO1	Analyse the basic structure of Indian Constitution.		
CO2	Remember their Fundamental Rights, DPSP's and Fundamental Duties (FD's) of our constitution.		
CO3	Know about our Union Government, political structure & codes, procedures.		
CO4	Understand our State Executive & Elections system of India.		
CO5	Remember the Amendments and Emergency Provisions, other important provisions given by the constitution.		

Subject:	Innovation and Design Thinking		
Subject Code:	BIDTK158/258	**NBA Code:**	BSCS108
CO1	Appreciate various design process procedure		
CO2	Generate and develop design ideas through different technique		
CO3	Identify the significance of reverse Engineering to Understand		
CO4	Draw technical drawing for design ideas		

COURSE OUTCOMES - 2022 SCHEME

2nd Semester-A section (CSE)

Subject:	Mathematics-II for Computer Science and Engineering stream		
Subject Code:	BMATS201	NBA Code:	BSCS109
CO1	Apply the knowledge of calculus to solve problems related to polar curves and learn the notion of partial differentiation to compute rate of change of multivariate functions		
CO2	Analyze the solution of linear and nonlinear ordinary differential equations		
CO3	Get acquainted and to apply modular arithmetic to computer algorithms		
CO4	Make use of matrix theory for solving the system of linear equations and compute		
CO5	Familiarize with modern mathematical tools namely		

Subject:	Applied Chemistry for Computer Science &Engineering stream		
Subject Code:	BCHES202	NBA Code:	BSCS110
CO1	Identify the terms and applications processes involved in scientific and engineering		
CO2	Explain the phenomena of chemistry to describe the methods of engineering processes		
CO3	Solve the problems in chemistry that are pertinent in engineering applications		
CO4	Apply the basic concepts of chemistry to explain the chemical properties and processes		
CO5	Analyze proper ties and multidisciplinary situations processes associated with chemical substances in properties and multidisciplinary situations		

Subject:	Computer Aided Engineering Drawing		
Subject Code:	BCEDK203	NBA Code:	BSCS111
CO1	Draw and communicate the objects with definite shape and dimensions		
CO2	Recognize and Draw the shape and size of objects through different views		
CO3	Develop the lateral surfaces of the object		
CO4	Create a Drawing views using CAD software.		

Subject:	Introduction to Civil Engineering		
Subject Code:	BESCK204A	NBA Code:	BSCS112
CO1	Understand the various disciplines of civil engineering		
CO2	Understand the infrastructure requirement for sustainable development		
CO3	Compute the resultant and equilibrium of force systems.		
CO4	Locate the centroid of plane and built-up sections		

Subject:	Introduction to C++ Programming		
Subject Code:	BPLCK105D/BPLCK205D	**NBA Code:**	BSCS113
CO1	Able to understand and design the solution to a problem using object-oriented programming concepts.		
CO2	Able to reuse the code with extensible Class types, User-defined operators and function Overloading.		
CO3	Achieve code reusability and extensibility by means of Inheritance and Polymorphism		
CO4	Implement the features of C++ including templates, exceptions and file handling for providing programmed solutions to complex problems.		

Subject:	Professional Writing Skills in English		
Subject Code:	BPWSK206-106	**NBA Code:**	BSCS114
CO1	To understand and identify the Common Errors in Writing and Speaking.		
CO2	To Achieve better Technical writing and Presentation skills.		
CO3	To read Technical proposals properly and make them to Write good technical reports.		
CO4	Acquire Employment and Workplace communication skills.		
CO5	To learn about Techniques of Information Transfer through presentation in different level		

Subject:	ಬಳಕೆ ಕನ್ನಡ		
Subject Code:	BKBKK207	**NBA Code:**	BSCS115 II
CO1	To understand the necessity of learning of local language for comfortable life.		
CO2	To speak, read and write Kannada language as per requirement.		
CO3	To communicate (converse) in Kannada language in their daily life with kannada speakers.		
CO4	To Listen and understand the Kannada language properly.		
CO5	To speak in polite conservation.		

Subject:	□○ಂಸಜ್ಯೆಂಂಕ ಕನ್ನಡ		
Subject Code:	BKSKK207	**NBA Code:**	BSCS115 I
CO1	ಕನ್ನಡ ಭಾಷೆ, ಸಾಹಿತ್ಯ ಮತ್ತು ಕನ್ನಡದ ಸಂಸ್ಕೃತಿಯ ಕುರಿತು ಅರಿವು ಮೂಡಿರುತ್ತದೆ.		
CO2	ಕನ್ನಡ ಸಾಹಿತ್ಯದ ಪ್ರಧಾನ ಭಾಗವಾದ ಆಧುನಿಕ ಪೂರ್ವ ಮತ್ತು ಆಧುನಿಕ ಕಾವ್ಯಗಳನ್ನು ಸಾಂಕೇತಿಕವಾಗಿ ಕಲಿತು ಹೆಚ್ಚಿನ ಓದಿಗೆ ಮತ್ತು ಜ್ಞಾನಕ್ಕೆ ಸ್ಫೂರ್ತಿ ಮೂಡುತ್ತದೆ.		
CO3	ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಸಾಹಿತ್ಯ ಮತ್ತು ಸಂಸ್ಕೃತಿಯ ಬಗ್ಗೆ ಅರಿವು ಹಾಗೂ ಆಸಕ್ತಿಯನ್ನು ಹೆಚ್ಚಾಗುತ್ತದೆ.		
CO4	ತಾಂತ್ರಿಕ ವ್ಯಕ್ತಿಗಳ ಪರಿಚಯ ಹಾಗೂ ಅವರುಗಳ ಸಾಧಿಸಿದ ವಿಷಯಗಳನ್ನು ತಿಳಿದುಕೊಂಡು ನಾಡಿನ ಇನ್ನಿತರ ವ್ಯಕ್ತಿಗಳ ಬಗ್ಗೆ ತಿಳಿದುಕೊಳ್ಳಲು ಕೌತುಕತೆ ಹೆಚ್ಚಾಗುತ್ತದೆ.		
CO5	ಸಾಂಸ್ಕೃತಿಕ, ಜನಪದ ಹಾಗೂ ಪ್ರವಾಸ ಕಥನಗಳ ಪರಿಚಯ ಮಾಡಿಕೊಡುವುದು.		

Subject:	Scientific Foundations of Health		
Subject Code:	BSFHK258	**NBA Code:**	BSCS116
CO1	To understand and analyse about Health and wellness (and its Beliefs) & It's balance for positive mindset.		
CO2	Develop the healthy lifestyles for good health for their better future.		
CO3	Build a Healthy and caring relationships to meet the requirements of good/social/positive life.		
CO4	To learn about Avoiding risks and harmful habits in their campus and outside the campus for their bright future.		
CO5	Prevent and fight against harmful diseases for good health through positive mindset.		