

Attainment of Course Outcomes and Program Outcomes in Outcome Based Education (OBE)

DEPARTMENT OF COMPUTER APPLICATION

BCA

Programme Outcomes		
PO 1.	Critical Thinking	
PO 2.	Effective Citizenship	
PO 3.	Effective Communication	
PO 4.	Interdisciplinarity	
PO 5.	Technical Competency	
PO 6.	Programming Skill	

Programme Specific Outcomes

PSO 1:	Understand the concepts of Co	omputer Science and Applications.
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- **PSO 2:** Understand the concepts of System Software and Application Software.
- **PSO 3:** Understand the concepts of Algorithms and Programming.
- **PSO 4:** Understand the concepts of Computer Networks.
- **PSO 5:**Design, develop, implement and test software systems to meet the givenspecifications, following the principles of Software Engineering.
- **PSO 6:** Understand the concept of Information Security.

Course Outcome

I SEMESTER			
Course Name	Course Outcome	Assessment	
		mechanism	
	Understanding the basic concepts in	Class Test	
1B01BCA	programming.		
Programming In C	Familiarize the basic syntax and	Assignment	
	semantics of C language.	_	
	Familiarize with advanced features of	Internal Exam	
	с.		
	Develop skill in programming	Lab Assessment	
1A11BCA	Understand the basic concepts and	Internal Exam-1	
Informatics For	functional knowledge in the field of		
Computer	Informatics Equip the students with fundamentals of		
Applications	Computer	Assignment -1	
	Awareness about social issues and	Class test	
	concerns in the use of digital		
	technology		
	Skills to enable students to use free	Internal Exam-2	
	software.		
	Understand rank of a matrix, elementary	Internal exam 2	
	transformation of a matrix, equivalent		
	matrices, elementary matrices, Gauss-		
	portal form of a matrix and partition		
	method of finding the inverse.		
	Understand solution of linear system of	Internal exam 2	
ICOI MAT-BCA	equations-method of determinants-		
MATHEMATICS FOR BCA 1	Cramer's rule, matrix invertion method,		
FOR DCA 1	consistency of linear system of equations,		
	Rouche's theorem, procedure to test the		
	unknowns, system of linear homogeneous		
	equations.		
	Understand linear transformations,	Internal exam 2	
	orthogonal transformation, and linear		
	dependence of vectors		
2B04BCA Lab I:	Can write and execute simple C Programs	Internal Lab Exam	
Programming In C	II CEMPOTED		
Course Norre	II SEMESTER	A cao a 4	
Course Name	Course Outcome	Assessment	
2B03BCA	Understanding OOPs concepts such as	Class test	
Object Oriented	inheritance and polymorphism and	Internal Exam	
Programming	their implementation using $C++$.	Internal L/Auto	
Using C++	Ability to develop programs in C++	Assignment	
2B02BCA	Design simple combinational digital	Internal Exam-1	
Digital Systems	systems		
	Familiarize different number systems,	Assignment -1	
	codes and data representation in digital	0	
	systems.		
	Understand functions of two or more	CLASS TEST 1	
1	variables, minus, and continuity.	1	

2C02 MAT-BCA	Understand partial derivatives,	Internal exam -1
Mathematics for	homogeneous functions, Euler's theorem	
DCA II	derivative differentiation of implicit	
	functions and change of variables	
	Understand polar coordinates	Assignment -1
2B05BCA Lab II:	Can write and execute simple C++	Internal Lab Evam
Programming In	Programs	
C++		
	III SEMESTER	
Course Name	Course Outcome	Assessment
		mechanism
3A12BCA	Understand the concept of data	Internal Exam-1
Data Structures	structures and its relevance in	
	Computer science.	Class Test
	Familiarize with selected linear and	Class Test
	Enhance skill in programming	Lab
3R07RCA	Learn the features of java	Class Test
JDU/DCA Iava Programming	Equip Understand the concept of error	
Java i rogramming	handling	Internal Exam-1
	Experience the GUI Programming	Lab
3B07BCA	Under Familiarize with 8085 architecture.	Internal Exam-1
Introduction To	Familiarize with 8086 architecture.	Class Test-1
Microprocessors	Skill in writing assembly language programs.	Assignment -1
3A13 BCA	Explain the characteristics of DBMS	Internal Exam-1
Database	Explain DDL commands with example	Assignment -1
Management	Differentiate between Different Data	Class Test-1
System	Models	
	Explain DML commands with example	Internal Exam-11
3C03 MAT-BCA	Understand Ordinary differential	Class Test I
Mathematics For	equations, Geometrical meaning of y'=f	
BCA III	(x, y) and Direction Fields.	
	Differential Equations, Separable, ODEs,	Internal Exam-1
	Exact ODEs, Integrating Factors, Linear	
	ODEs and Bernoulli, Equation	
	Understand Laplace Transform, Linearity,	Assignment -1
	first shifting theorem, Transforms of	
	Function second shifting theorem	
	Convolution. Integral Equations.	
	Differentiation and integration of	
	Transforms and to solve special linear	
	ODE's with variable coefficients and	
AA15BCA Lab III.	Systems of ODES.	x
HAISDUA LAD III: Data Structure and	Programs with suitable data structures	Internal Lab Exam
DRMS	Can write and execute simple database	4
	queries.	
4B11BCA LAB IV:	Can write and execute simple Java	Internal Lah Evam
Java Programming,	Programs.	
Shell	Can write and execute simple Shell	
Programming &	Programs.	

Linux	Can write and execute simple	
Administration	Administration commands.	
	IV SEMESTER	
Course Name	Course Outcomes	Assessment Mechanism
4A14BCA Discrete	Fundamental Mathematical concepts and terminology for computer science.	Class Test
Mathematical Structures	Acquire knowledge in mathematical logic	Internal exam 1
	Gain knowledge in Boolean algebra	Assignment
	Awareness about the importance of	Internal exam 2
	graph theory in computer.	
4B08 BCA Software	To learn what is software and its	Internal Exam 1
Engineering	characteristics	
	To understand various life cycle models	Class Test 1
	To learn different types of requirement engineering process	Class Test 2
	To know more about software design	Assignment
	To learn software testing	Internal Exam 2
	To learn various types of softwares	Internal Exam 1
4B09BCA	Understand the basic operation of a	Class test 1
Computer	computer system.	
Organization	Understand the organization and design of basic digital computer	Assignment
	Introduce the concepts of microprogramming and design simple combinational digital systems.	Internal exam
	Understand the organization of memory and techniques that computers use to communicate with I/O devices	Class Test 2
4B 10 BCA Linux Administration	To learn basic Linux commands and understand the file system structure.	Internal Exam 1
	To understand the Boot loaders and the configuration files.	Class Test 1
	To learn different system services, maintenance and configuring these files.	Class Test 2
	To experience Shell Scripting.	Lab Assignment
4C04 MAT-BCA	Understand the meaning of probability,	Class Test I
Mathematics for	probability and set notations, random	Internal Exam I
BCA IV	experiment, sample space, event,	
	axioms, notations, addition law of	
	probability, theorem of total	
	probability, independent events and	
	multiplication law of probability	Class Test I
	standard form Graphical solution	Liass Test I Internal Exam I
	method. Simplex method and	
	computational procedure	
	Understand Network routing problems:	Class Test II
	introduction, network flow problem,	Internal Exam I
	minimal spanning tree problem and	
	shortest route problems.	

	Understand Numerical Integration,	Class Test II
	Trapezoidal Rule and Simpson 1/3-	Internal Exam II
	Rule. Understand Numerical methods	
	to find Solutions of Ordinary	
	Differential Equations: Solution by	
	Euler's method and Runge-Kutta	
	methods.	
	V SEMESTER	
Course Name	Course Outcomes	Assessment Mechanism
5B12BCA	Understand the basic concepts,	Internal Exam-1
Operating System	structure and functions of operating	
	systems.	
	Understand the principles behind the	Class Test
	techniques in resource management	
	Knowledge about the basic design of	Assignment
	the OS	-
5B13BCA	Understand the Enterprise Java	Assignment
Enterprise Java	platform	
Programming	Learn APIs and runtime environment	Internal Exam-2
	for developing and running large scale	
	Projects	
	Develops programming skills in multi	Class Test
	– tiered, scalable, reliable and secure	
	Network application.	
	Understand the structure of a web	
5B14BCA	Learn Python for expressing	Internal Exam 1
Python	computation	Internal Exam-1
Programming	Familiarize with functions and	Class Test
	modules in python	
	Understand object-oriented	Assignment
	programming concepts in Python	e
	Learn the techniques for database	Lab Assessment
	connectivity and GUI programming in	
	Python	
5B15BCA	Enable students to program for the	Internal Exam-1
Web Technology	World Wide Web using HTML,	
	JavaScript, PHP and MySQL	
	Create static and dynamic web pages	Assignment -1
	PHP and MySQL.	
	databases and SOI	Internal Exam -2
	Impart basic knowledge in Client	Class Test
	server model.	
5B16BCA-E01	To be familiar with cryptography and	Internal Exam
Information	Its categories.	A act
Security	Distinguish public and private key	Assignment
	PSA crypto System	
	To attain the knowledge of digital	Class Test
	signature and its security services	C1855 1 CSI
6821 BCA Lab V:	Can write and execute simple IDBC	Internal Lab Exam
Enternrice Iovo	Drograms	

Programming	Can write and execute simple RMI	
	Programs.	
	Can Write and execute simple servlet	
	programs.	
	Can write and execute simple CORBA	
	programs	
6B22BCA Lab VI:	Can write and execute simple Python	Internal Lab Exam
python	Programs.	
Programming		
6B23BCA Lab VII:	Can write and execute simple html	Internal Lab Exam
Web Technology	Programs.	
	Can write and execute simple	
	iavascript Programs	
	Can write and execute simple php	
	Programs	
Generic Elective	understand the fundamentals of	Class test
Course (Open	database management system	
Course) 5D03BCA	To develop Skill in designing database	Internal exam 2
Database	To understand the concept of SOL	Class test
Management	commands	
System	To develop Skill in writing queries	Assignment
- System	VI SEMESTER	Assignment
Course Name	Course Outcomes	Assossment
Course Ivalle	Course Outcomes	Mechanism
6B17BCA Design	Knowledge about important	Class test 1
and	computational problems	
	Knowledge to design the algorithm	Class test 2
A naivers of		
Analysis of Algorithm	Knowledge to design the algorithm.	Assignment
Algorithm	Knowledge to design the algorithm. Knowledge to analyze a given algorithm	Assignment
Analysis of Algorithm	Knowledge to design the algorithm. Knowledge to analyze a given algorithm.	Assignment
Analysis of Algorithm	Knowledge to design the algorithm. Knowledge to analyze a given algorithm. Acquire knowledge to analyze algorithm control structures and	Assignment Internal exam
Analysis of Algorithm	Knowledge to design the algorithm. Knowledge to analyze a given algorithm. Acquire knowledge to analyze algorithm control structures and solving recurrences	Assignment Internal exam
Analysis of Algorithm 6B18BCA	Knowledge to design the algorithm. Knowledge to analyze a given algorithm. Acquire knowledge to analyze algorithm control structures and solving recurrences Knowledge about various phases of	Assignment Internal exam
Analysis of Algorithm 6B18BCA	Knowledge to design the algorithm. Knowledge to analyze a given algorithm. Acquire knowledge to analyze algorithm control structures and solving recurrences Knowledge about various phases of compiler design	Assignment Internal exam Internal Exam-1
Analysis of Algorithm 6B18BCA Introduction to Compiler	Knowledge to design the algorithm. Knowledge to analyze a given algorithm. Acquire knowledge to analyze algorithm control structures and solving recurrences Knowledge about various phases of compiler design. Describe the scanners and parsers	Assignment Internal Exam-1 Assignment 1
Analysis of Algorithm 6B18BCA Introduction to Compiler	Knowledge to design the algorithm. Knowledge to analyze a given algorithm. Acquire knowledge to analyze algorithm control structures and solving recurrences Knowledge about various phases of compiler design. Describe the scanners and parsers Illustrate the intermediate and	Assignment Internal exam Internal Exam-1 Assignment -1 Class Test
Analysis of Algorithm 6B18BCA Introduction to Compiler	Knowledge to design the algorithm. Knowledge to analyze a given algorithm. Acquire knowledge to analyze algorithm control structures and solving recurrences Knowledge about various phases of compiler design. Describe the scanners and parsers Illustrate the intermediate code generation	Assignment Internal exam Internal Exam-1 Assignment -1 Class Test
Analysis of Algorithm 6B18BCA Introduction to Compiler	Knowledge to design the algorithm. Knowledge to analyze a given algorithm. Acquire knowledge to analyze algorithm control structures and solving recurrences Knowledge about various phases of compiler design. Describe the scanners and parsers Illustrate the intermediate code generation Parform code optimization and	Assignment Internal exam Internal Exam-1 Assignment -1 Class Test Internal Exam 2
Analysis of Algorithm 6B18BCA Introduction to Compiler	Knowledge to design the algorithm.Knowledge to analyze a given algorithm.Acquire knowledge to analyze algorithm control structures and solving recurrencesKnowledge about various phases of compiler design.Describe the scanners and parsersIllustrate the intermediate code generationPerform code optimization and generation	Assignment Internal exam Internal Exam-1 Assignment -1 Class Test Internal Exam-2
Analysis of Algorithm 6B18BCA Introduction to Compiler	Knowledge to design the algorithm.Knowledge to analyze a given algorithm.Acquire knowledge to analyze algorithm control structures and solving recurrencesKnowledge about various phases of compiler design.Describe the scanners and parsersIllustrate the intermediate code generationPerform code optimization and generationUnderstand the basics of data	Assignment Internal exam Internal Exam-1 Assignment -1 Class Test Internal Exam-2 Class test 1
Analysis of Algorithm 6B18BCA Introduction to Compiler 6B19BCA Data	Knowledge to design the algorithm.Acquireknowledgea givenalgorithm.algorithmAcquireknowledgetoalgorithmcontrolstructuresalgorithmcontrolstructuresalgorithmcontrolstructuressolving recurrencessolvingKnowledgeaboutvariousphasesofcompilerdesign.DescribetheintermediatecodegenerationsolvingPerformcodeoptimizationandgenerationsolvingUnderstandthebasicsofdataapproximation	Assignment Internal exam Internal Exam-1 Assignment - 1 Class Test Internal Exam-2 Class test 1
Analysis of Algorithm 6B18BCA Introduction to Compiler 6B19BCA Data Communication & Networks	Knowledge to design the algorithm.Knowledge to analyze a given algorithm.Acquire knowledge to analyze algorithm control structures and solving recurrencesKnowledge about various phases of compiler design.Describe the scanners and parsersIllustrate the intermediate code generationPerform code optimization and generationUnderstand the basics of data communicationFamiliarize with OSL raferance model	Assignment Internal exam Internal Exam-1 Assignment -1 Class Test Internal Exam-2 Class test 1 Class test 2
Analysis of Algorithm 6B18BCA Introduction to Compiler 6B19BCA Data Communication & Networks	Knowledge to design the algorithm.Knowledge to analyze a given algorithm.Acquire knowledge to analyze algorithm control structures and solving recurrencesKnowledge about various phases of compiler design.Describe the scanners and parsersIllustrate the intermediate code generationPerform code optimization and generationUnderstand the basics of data communicationFamiliarize with OSI reference model	Assignment Internal exam Internal Exam-1 Assignment-1 Class Test Internal Exam-2 Class test 1 Class test 2 Assignment
Analysis of Algorithm 6B18BCA Introduction to Compiler 6B19BCA Data Communication & Networks	Knowledge to design the algorithm.Acquire knowledge to analyze algorithm control structures and solving recurrencesKnowledge about various phases of compiler design.Describe the scanners and parsersIllustrate the intermediate code generationPerform code optimization and generationUnderstand the basics of data communicationFamiliarize with OSI reference model	Assignment Internal exam Internal Exam-1 Assignment -1 Class Test Internal Exam-2 Class test 1 Class test 2 Assignment
Analysis of Algorithm 6B18BCA Introduction to Compiler 6B19BCA Data Communication & Networks	Knowledge to design the algorithm.Knowledge to analyze a given algorithm.Acquire knowledge to analyze algorithm control structures and solving recurrencesKnowledge about various phases of compiler design.Describe the scanners and parsersIllustrate the intermediate code generationPerform code optimization and generationUnderstand the basics of data communicationFamiliarize with OSI reference modelFamiliarize students with layers of communication modelUnderstand the concents of network	Assignment Internal exam Internal Exam-1 Assignment -1 Class Test Internal Exam-2 Class test 1 Class test 2 Assignment Internal exam
Analysis of Algorithm 6B18BCA Introduction to Compiler 6B19BCA Data Communication & Networks	Knowledge to design the algorithm.Acquire knowledge to analyze algorithm control structures and solving recurrencesKnowledge about various phases of compiler design.Describe the scanners and parsersIllustrate the intermediate code generationPerform code optimization and generationUnderstand the basics of data communication modelFamiliarize students with layers of communication modelUnderstand the concepts of network security	Assignment Internal exam Internal Exam-1 Assignment -1 Class Test Internal Exam-2 Class test 1 Class test 2 Assignment Internal exam
Analysis of Algorithm 6B18BCA Introduction to Compiler 6B19BCA Data Communication & Networks	Knowledge to design the algorithm. Knowledge to analyze a given algorithm. Acquire knowledge to analyze algorithm control structures and solving recurrences Knowledge about various phases of compiler design. Describe the scanners and parsers Illustrate the intermediate code generation Perform code optimization and generation Perform code optimization and generation Understand the basics of data communication Familiarize with OSI reference model Familiarize students with layers of communication model Understand the concepts of network security. To learn what is Data mining and data	Assignment Internal exam Internal Exam-1 Assignment -1 Class Test Internal Exam-2 Class test 1 Class test 2 Assignment Internal exam
Analysis of Algorithm 6B18BCA Introduction to Compiler 6B19BCA Data Communication & Networks 6B20BCA Data Mining and Data	Knowledge to design the algorithm.Acquire knowledge to analyze algorithm control structures and solving recurrencesKnowledge about various phases of compiler design.Describe the scanners and parsersIllustrate the intermediate code generationPerform code optimization and generationUnderstand the basics of data communication modelFamiliarize students with layers of communication modelUnderstand the concepts of network security.To learn what is Data mining and data warehousing	Assignment Internal exam Internal Exam-1 Assignment - 1 Class Test Internal Exam-2 Class test 1 Class test 2 Assignment Internal exam Internal exam
Analysis of Algorithm 6B18BCA Introduction to Compiler 6B19BCA Data Communication & Networks 6B20BCA Data Mining and Data Warehousing	Knowledge to design the algorithm. Knowledge to analyze a given algorithm. Acquire knowledge to analyze algorithm control structures and solving recurrences Knowledge about various phases of compiler design. Describe the scanners and parsers Illustrate the intermediate code generation Perform code optimization and generation Understand the basics of data communication Familiarize with OSI reference model Familiarize students with layers of communication model Understand the concepts of network security. To learn what is Data mining and data warehousing To understand various phases of kdd	Assignment Internal exam Internal Exam-1 Assignment -1 Class Test Internal Exam-2 Class test 1 Class test 2 Assignment Internal exam Internal exam
Analysis of Algorithm 6B18BCA Introduction to Compiler 6B19BCA Data Communication & Networks 6B20BCA Data Mining and Data Warehousing	Knowledge to design the algorithm. Knowledge to analyze a given algorithm. Acquire knowledge to analyze algorithm control structures and solving recurrences Knowledge about various phases of compiler design. Describe the scanners and parsers Illustrate the intermediate code generation Perform code optimization and generation Perform code optimization and generation Understand the basics of data communication Familiarize with OSI reference model Familiarize students with layers of communication model Understand the concepts of network security. To learn what is Data mining and data warehousing To understand various phases of kdd To learn different types of algorithms	Assignment Internal exam Internal Exam-1 Assignment -1 Class Test Internal Exam-2 Class test 1 Class test 2 Assignment Internal exam Internal exam-1 Assignment -1 Internal Exam-2
Analysis of Algorithm 6B18BCA Introduction to Compiler 6B19BCA Data Communication & Networks 6B20BCA Data Mining and Data Warehousing	Knowledge to design the algorithm. Knowledge to analyze a given algorithm. Acquire knowledge to analyze algorithm control structures and solving recurrences Knowledge about various phases of compiler design. Describe the scanners and parsers Illustrate the intermediate code generation Perform code optimization and generation Understand the basics of data communication Familiarize with OSI reference model Familiarize students with layers of communication model Understand the concepts of network security. To learn what is Data mining and data warehousing To understand various phases of kdd To learn different types of algorithms in data mining	Assignment Internal exam Internal Exam-1 Assignment-1 Class Test Internal Exam-2 Class test 1 Class test 2 Assignment Internal exam Internal exam Assignment-1 Internal Exam-1
Analysis of Algorithm 6B18BCA Introduction to Compiler 6B19BCA Data Communication & Networks 6B20BCA Data Mining and Data Warehousing	Knowledge to design the algorithm. Knowledge to analyze a given algorithm. Acquire knowledge to analyze algorithm control structures and solving recurrences Knowledge about various phases of compiler design. Describe the scanners and parsers Illustrate the intermediate code generation Perform code optimization and generation Understand the basics of data communication Familiarize with OSI reference model Familiarize students with layers of communication model Understand the concepts of network security. To learn what is Data mining and data warehousing To understand various phases of kdd To learn different types of algorithms in data mining To know more about classification and	Assignment Internal exam Internal Exam-1 Assignment -1 Class Test Internal Exam-2 Class test 1 Class test 2 Assignment Internal exam Internal exam Internal Exam-1 Assignment -1 Internal Exam-2
Analysis of Algorithm 6B18BCA Introduction to Compiler 6B19BCA Data Communication & Networks 6B20BCA Data Mining and Data Warehousing	Knowledge to design the algorithm.Acquire knowledge to analyze algorithm control structures and solving recurrencesKnowledge about various phases of compiler design.Describe the scanners and parsersIllustrate the intermediate code generationPerform code optimization and generationUnderstand the basics of data communication modelFamiliarize students with layers of communication modelUnderstand the concepts of network security.To learn what is Data mining and data warehousingTo learn different types of algorithms in data miningTo know more about classification and clustering	Assignment Internal exam Internal Exam-1 Assignment -1 Class Test Internal Exam-2 Class test 1 Class test 2 Assignment Internal exam Internal exam Internal Exam-1 Assignment -1 Internal Exam-2 Class Test

6B24BCA Project	Develop the ability to design,	Internal Viva and
	implement, and document a	Presentation
	comprehensive software project by	
	applying theoretical and practical	
	knowledge to solve real-world	
	problems.	

BSc Artificial Intelligence and Machine Learning

Programme Outcomes	
PO 1.	Critical Thinking
PO 2.	Effective Citizenship
PO 3.	Effective Communication
PO 4.	Interdisciplinarity
PO 5.	Technical Competency
PO 6.	Programming Skill

Programme Specific Outcomes		
PSO 1:	Understand the concepts of System Software and Application Software.	
PSO 2:	Understand the concepts of Computer Networks and Operating Systems	
PSO 3:	Design, develop, implement and test software systems to meet the given	
	specifications, following the principles of Software Engineering.	
PSO 4:	Gain knowledge and experience in major areas of Artificial Intelligence	
	and Machine Learning such as Prediction, Classification, Clustering, and	
	Information Retrieval.	
PSO 5:	Learn to analyze large and complex datasets and create systems that adapt	
	and improve over time using machine learning techniques.	

Course Outcome

I SEMESTER		
Course Name	Course Outcomes	Assessment Mechanism
1B01AIML INTRODUCTION TO COMPUTER	Explain Functional units of Computer with neat diagram	Internal Exam-1
SCIENCE	Explain various number system and its conversions	Assignment-1
	Differentiate algorithm and flowchart with examples	Class Test
	Define Internet and its uses	Internal Exam-2
1C01STA – AIML DESCRIPTIVE	Understand the elementary concept in statistics.	Internal Exam-1
STATISTICS	Compute various measures of central tendency and dispersion	Internal Exam-11
	Acquire knowledge in sampling theory.	Internal Exam-11
	Understand the practical use of R	Assignment
1C01MAT – AIML Differentiation and Matrix Theory	Understand differentiation, derivative of functions namely constant, Successive differentiation and Leibnitz's theorem for tenth derivative of the product of two functions.	Internal Exam-1 Internal Exam-2
	Understand different types of Relations and Functions, Composition of functions and invertible functions	Internal Exam-2
	Understand Rank of a matrix, quivalent matrices, elementary matrices, Gauss-Jordan method of finding the inverse, normal form of a matrix and partition method of finding the inverse.	Internal Exam-1
	Understand solution of linear system of equations, Cramer's rule, matrix inversion method, consistency of linear system of equations, Rouche's theorem, procedure to test the consistency of a system of equations in n unknowns, system of linear homogeneous equations.	Internal Exam-2
	II SEMESTER	
Course Name	Course Outcomes	Assessment Mechanism
2B02 – AIML PROGRAMMING	Understand about basics of programming.	Internal exam 1
IN C	Analyze the problem and develop simple programs using C.	Lab
	Familiar with advanced concept of C program.	Internal exam 2
	Develop C programs using structure union, pointers and files.	Class Test , Assignment
2B03 – AIML-LAB	Can write and execute simple C Programs.	Internal Lab Exam

1- C PROCRAMMINC		
2C03AIML-MAT INTEGRATION AND LINEAR ALGEBRA	Understand functions of two or more variables limits, and continuity. Understand partial derivatives, homogeneous functions, Eulers theorem on homogeneous functions, total derivative, differentiation of implicit functions and change of variables.	Class Test
	Understand basics of integration, Integration by parts, trigonometric integrals, Understand Reduction formulae for trigonometric functions and evaluation of definite integrals Evaluation of the definite integral $\int_0^{\pi/2} \sin^n x dx$, Evaluation of the definite integral $\int_0^{\pi/2} \cos^n x dx$, problems	Internal exam 1
	Understand Vector spaces, Linear Dependence and Linear Independence, Bases and Dimension, Linear transformations.	Assignment
	Understand Eigen values, Eigen vectors, properties of Eigen values, Cayley- Hamilton theorem, reduction to diagonal form, similarity of matrices, powers of a matrix, reduction of quadratic form to canonical form and nature of a quadratic form.	Internal exam 2
2C02STA – AIML	Analyze the relation between two real life data.	Class Test
STATISTICAL	Compute various index numbers and understand	Internal exam 1
METHODS	in real life	
	Acquire knowledge in time series data.	Internal exam 1
	Understand the practical use of R	Assignment