



(Shri Ramkrishna Seva Mandal's)
ANAND COMMERCE COLLEGE

An Autonomous College (2025-26 to 2034-35)
(Affiliated to Sardar Patel University)
NAAC ACCREDITED 'A' GRADE (3.04 CGPA)
ISO 9001:2015



Syllabus as per NEP 2020 with effect from the Academic Year 2025-26

**Bachelor of Business Administration
Information System Management
BBA (ISM) Semester – II**

Course Code	UB02MABBI01	Title of the Course	C Programming
Total Credits of the Course	4	Hours per Week	4

Course Objectives:	<ul style="list-style-type: none">To learn concepts of flowchart & algorithm.Students will be able to develop logics, which will help them to create programs, basic applications in C.Ability to work with Arrays of complex objects as well as characters and
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Course Content		
Unit	Description	Weightage* (%)
1.	Concept of Algorithm & flow Chart: <ul style="list-style-type: none">Basic Algorithm & flow chart DefinitionSymbols used to draw flow chartTypical examples of the flow chart and AlgorithmIntroduction to Computer LanguagesTypes of computer LanguageDefinition of translators and typesInterpreters, Compilers & Assembler.	20%
2.	Basic Programming Concept: <ul style="list-style-type: none">General Structure of C ProgramC tokens(include)Character Sets, Variables, Keywords, Constants, Symbolic ConstantsBasic Data Types Like Int, Char, Float, DoubleBasic Operators: Arithmetic, Relational, Logical, Assignment, Shorthand Assignment, Conditional, Increment, DecrementI / P Functions: Scanf(), Getchar(), Getch()	20%

	<ul style="list-style-type: none"> • O / P Functions: Printf(), Puchar(), Clrscr(). 	
3.	Decision Making and Looping Concepts: <ul style="list-style-type: none"> • Decision Making Statements: Simple IF Statement, If-Else Statement, Nested If Statement, If-Else Ladder, • Switch Statement • Conditional Operator • Looping Structures: For Statement, While Statement. 	20%
4.	Advanced Programming Concepts: <ul style="list-style-type: none"> • What are Arrays? • Creating, initializing and working with 1-D arrays • String functions • User-defined functions 	20%
5.	Structures and unions: <ul style="list-style-type: none"> • Structure and Structure Declaration • Assessing member of structure • Initialization of Structure • Nesting of Structure • Array of Structure • Array within Structure • Structure and Function • Unions. 	20%

Teaching-Learning Methodology	Teaching & Learning methods include class participation, Practical demonstration, Practical Implementation, or combinations of these.
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Internal and / or External Examination Evaluation


Sr. No.	Details of the Evaluation / Exam Pattern	50 Marks (%)	25 Marks (%)
1	Class Test (at least one)	15 (30%)	10 (40%)
2	Quiz (at least one)	15 (30%)	05 (20%)
3	Active Learning	05 (10%)	----
4	Home Assignment	05 (10%)	05 (20%)
5	Class Assignment	05 (10%)	----
6	Attendance	05 (10%)	05 (20%)
Total Internal (%)		50 (100%)	25 (100%)
College External Examination (%)		50 (100%)	25 (100%)

Note: Theory - 25 Marks + Practical - 25 Marks =50 Marks (Internal and External Exam)
Student must be appear in both the Components.

Course Outcomes: Having completed this course, the learner will be able to	
1.	Formulate algorithm/ flowchart for given arithmetic and logical problem.
2.	Translate algorithm/flowchart into C program using correct syntax of Operator, conditional, branching, iteration and execute it.
3.	Write programs using functions and different operator.
4.	Write programs using the concepts of array and functions and structure.
5.	Write programs using the concepts of structure and unions by implementing in array

Suggested References:	
Sr.No.	References
1.	Programming in Ansi C, By E. Balagurusamy , Tata McGraw Hill·Publication, 6th Edition, 2012.
2.	LET US C -15TH EDITION,By Kanetkar Yashavant , BPB Publications- 2018.
3.	The Art of Programming Through Flowcharts & Algorithms By Anil Bikas Chaudhuri , Firewall Media Publication-2005.
Digital resources to be used if available as reference material.	
Digital Resources	
1.	https://www.w3schools.in/c-tutorial/
2.	https://www.tutorialspoint.com/cprogramming/index.htm
3.	https://www.w3schools.com/c/c_intro.php
4.	https://www.tutorialspoint.com/cprogramming/cprogramming_pdf
5.	https://www.cprogramming.com/
6.	https://www.geeksforgeeks.org/introduction-to-algorithms/
7.	https://www.researchgate.net/publication/334708010_Fundamentals_of_Algorithm
8.	https://asq.org/quality-resources/flowchart#:~:text=A%20flowchart%20is%20a%20picture,process%2C%20or%20a%20project%20plan..
9.	http://www.tmv.edu.in/pdf/distance_education/bca%20books/bca%20ii%20sem/bca-222%20%27c%27%20%27programming.pdf


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