

BACHELOR OF COMPUTER APPLICATIONS (BCA)

(Revised Syllabus)

BCA(Revised Syllabus)/ASSIGN/SEMESTER-II

ASSIGNMENTS

(July - 2025 & January – 2026 sessions)

ECO-02, MCS-011, MCS-012, MCS-015, MCS-013, BCSL-021, BCSL-022



**SCHOOL OF COMPUTER AND INFORMATION SCIENCES
INDIRA GANDHI NATIONAL OPEN UNIVERSITY
MAIDAN GARHI, NEW DELHI – 110 068**

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Important Notes

1. Submit your assignments to the Coordinator of your Study Centre on or before the due date.
2. Assignment submission before due dates is compulsory to become eligible for appearing in corresponding Term End Examinations. For further details, please refer to BCA Programme Guide.
3. To become eligible for appearing the Term End Practical Examination for the lab courses, it is essential to fulfill the minimum attendance requirements as well as submission of assignments (on or before the due date). For further details, please refer to the BCA Programme Guide.

Course Code : **BCSL-021**
Course Title : **C Language Programming**
Assignment Number : **BCA(II)/L-021/Assignment/2025-26**
Maximum Marks : **50**
Weightage : **25%**
Last date of Submission : **31st October, 2025 (for July Session)**
30th April, 2026 (for January Session)

This assignment has only one question. Answer the question. This question carries 40 marks. Rest 10 marks are for viva voce. You may use illustrations and diagrams to enhance the explanation. Please go through the guidelines regarding the assignments given in the programme guide for the format of presentation.

Q1.

Design and implement a **menu-driven program** in C that allows the user to perform operations on a set of student records for BCA students such as adding a new record, displaying all records, searching a student by roll number, modifying details, and deleting a record. The program should be implemented using *main()* and user-defined functions for each operation.

(40 Marks)

Description:

Menu should be as follows:

----- **Student Record Management** -----

1. Add New Student
2. Display All Students
3. Search Student by Roll Number
4. Modify Student Record
5. Delete Student Record
6. Exit

Enter your choice:

Implement the following functions:

Function Name	Description
void addStudent();	Adds a new student record
void displayStudents();	Displays all student records
void searchStudent();	Searches for a student by roll number
void modifyStudent();	Modifies details of an existing student
void deleteStudent();	Deletes a student record

Note: You must execute the program and submit the program logic, sample input and output along with the necessary documentation for this practical question. Assumptions can be made wherever necessary.