Training on Basic of C with problem solving

Introduction:

C is a general-purpose programming language, and is used for writing programs in many different domains, such as operating systems, numerical computing, graphical applications, etc. It is a small language, with just 32 keywords. It provides "high-level" structured programming constructs such as statement grouping, decision making, and looping, as well as "low level" capabilities such as the ability to manipulate bytes and addresses. Much of the functionality of C is provided by way of software routines called functions. The language is accompanied by a standard library of functions that provide a collection of commonly used operations. For example, the standard function printf() prints text to the screen (or, more precisely, to standard output—which is typically the screen). The standard library will be used extensively throughout this text; it is important to avoid writing your own code when a correct and portable implementation already exists.

Course Objectives: The training programme is oriented to those who want to advance structured and procedural programming understating and to improve C programming skills. The major objective is to provide students with understanding of code organization and functional hierarchical decomposition with using complex data types.

Course Outcome: After the training program, students will be able to:

1. Identify situations where computational methods and computers would be useful.
2. Given a computational problem, identify and abstractthe programming task involved.
3. Approach the programming tasks using techniques learned and write pseudo-code.
4. Choose the right data representation formats based on the requirements of the problem.
5. Use the comparisons and limitations of the various programming constructs and choose the right one for the task in hand.
6. Write the program on a computer, edit, compile, debug, correct, recompile and run it.
7. Identify tasks in which the numerical techniques learned are applicable and apply them to write programs, and hence use computers effectively to solve the task.
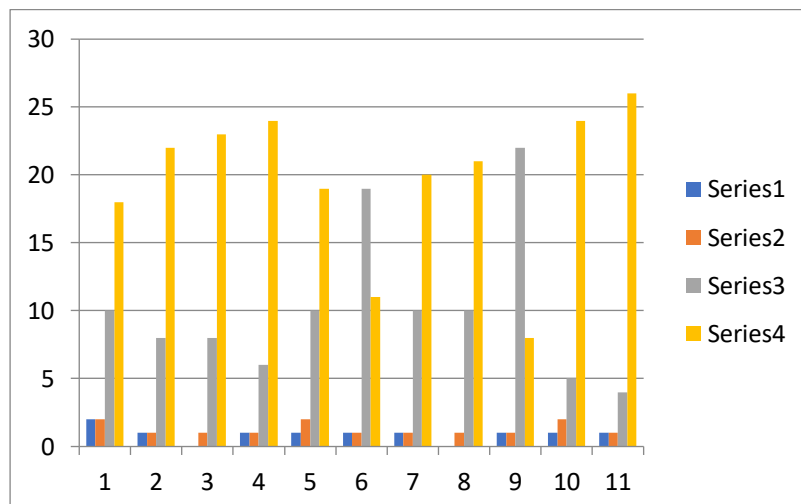
Program Details:

Training Program: Basic C Language with Problem Solving
Resource Organization: Ardent
Date: 23/11/2020 to 08/12/2020
Students who can attend: B. Tech (ECE) 3rd Sem-2023 PO.

Feedback Analysis:

Report of Feedback Analysis:

Feedback for training was taken on 8th Dec 2020 with the 2nd year students (2023 PO). Analysis of feedback is listed below:

1. Duration of training should be increased then students will be able to understand more clearly.
2. Due to problem of internet connection students faced difficulty to do their project work.