



SILIGURI INSTITUTE OF TECHNOLOGY

Department of Information Technology
Report on Industrial Training on Data Structure with C

Training Details:

Training on Data Structure with C

Resource Organization: ARDENT

Training Date: 17th August 2020 to 31st August 2020

Venue: ONLINE MODE

Student: 3rd Year IT (6th Semester)

Students Enrolled: 28

Students Completed Successfully: 28

Pass Out Year: 2021

Feedback Analysis: Attached

Student List: Attached

Introduction:

Data Structures is a concept a means of storing a collection of data. Computer Science is a concern with study of methods for effectively using a computer to solve problems. These can be solved by algorithms and data structures. Data Structures tells you what way the data as to store in computer memory and how to access the data efficiently. Many Applications are designed by data structures stack applications like page visited history in a web-browser, chain of method calls in the Java virtual machine or C++ Run-time environment etc. Queue Application Like Waiting Lines, Multi-programming etc. For many applications the choice of proper data structure is the only major decision involving the implementation. Majorly the database designing and internal implementation is done only by using Data Structures techniques through C programming language.

Training Objective:

This Course main objective for the student to understand Analysis and Designing of the Algorithms and how the different data structures are used for efficient accessing of the data and Manipulation of the data at the end of the session we can able to know different Kinds of data structures and we can able to provide different algorithms for time and space complexity.

Training Outcome:

After completed the training student will able to

- ❖ Understand the concept of data structures and its relevance in computer science.
- ❖ Familiarize with selected linear and nonlinear data structures.
- ❖ Enhance skill in programming in C.

Training Methodology:

- Hands on practice approach to training, behavioral model of training would be practiced.
- During the training, the Trainee would implement a project related to respective modules.

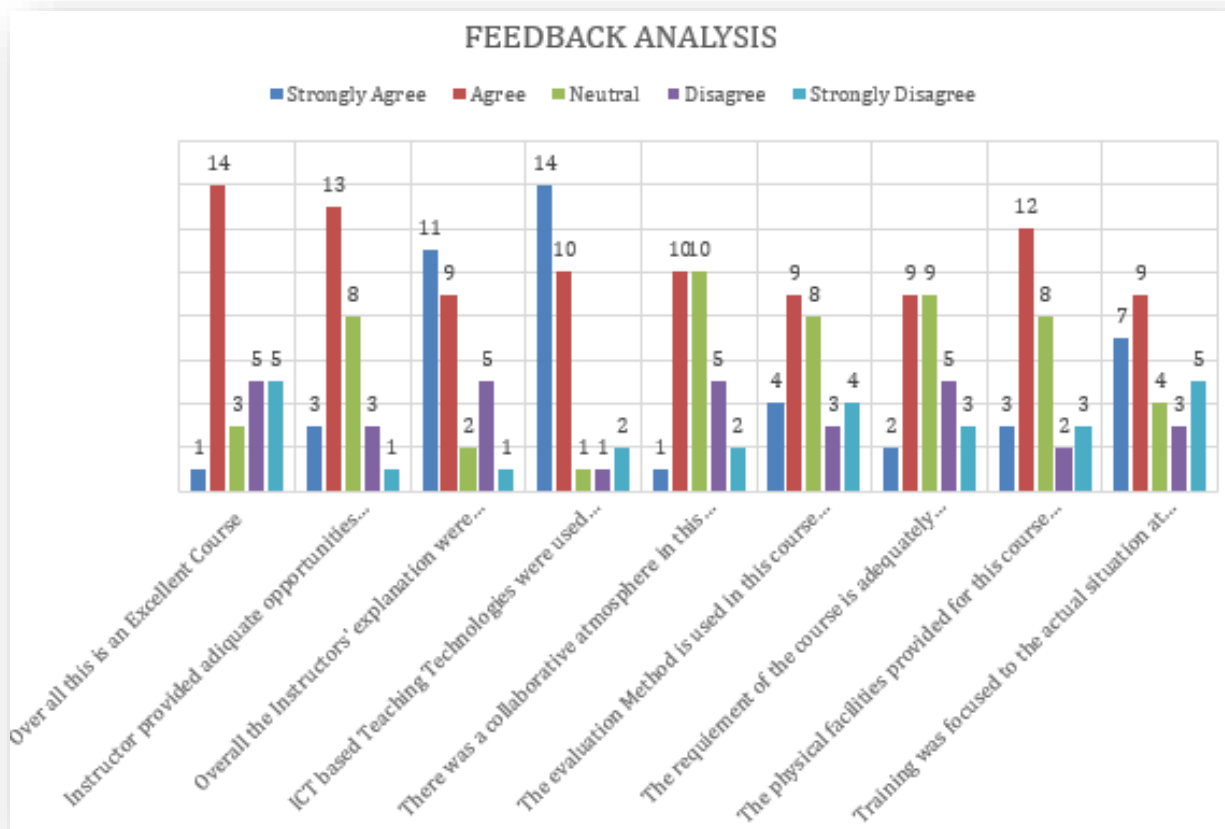
- Commitment to Individual growth and constant evaluation.
- Implementation of programming techniques through a Project using C language.

Summary:

The following points can be noted from the program.

- ❖ At the beginning of the training trainer has clearly described the basic Introduction Data structure and c - programming skill and its application in industries in different areas.
- ❖ Students had done many programming by themselves during the trainings.
- ❖ During the training some students raised their queries and the trainer had explained all the quarries of the students.
- ❖ At the end of the training an online exam was conducted.
- ❖ As per the feedback received from the students’ end, the entire session was really fruitful
- ❖ and enjoyable and the students have learned many things about C Programming skill.

Feedback analysis for the training:



Student List:

SN	ROLLNO	NAME	Remarks
1	11900217001	TONMAY DUTTA	Successfully Completed
2	11900217002	SOUYAMA DEBNATH	Successfully Completed
3	11900217003	SOUBHIK DUTTA	Successfully Completed
4	11900217004	SHINJINI SANYAL	Successfully Completed
5	11900217006	ROHIT KUMAR BARMAN	Successfully Completed
6	11900217008	RAJANI KANTA ROUTH	Successfully Completed
7	11900217009	PRINCE KUMAR	Successfully Completed
8	11900217010	PAYEL DAS	Successfully Completed
9	11900217011	NIKITA BARA	Successfully Completed
10	11900217012	NANCY KUMARI PRASAD	Successfully Completed
11	11900217013	MD AHTESHAMUL HUSSAIN	Successfully Completed
12	11900217014	MANJIT SINGH	Successfully Completed
13	11900217015	LAKSHMINARAYAN GHOSH	Successfully Completed
14	11900217016	KISHAN BISWAKARMA	Successfully Completed
15	11900217017	JYOTIRMAY DEB	Successfully Completed
16	11900217018	INDRA NATH MUKHERJEE	Successfully Completed
17	11900217019	HIMADRI BHATTACHARYA	Successfully Completed
18	11900217020	DIPAK BARMAN	Successfully Completed
19	11900217021	CHAYAN KARMAKAR	Successfully Completed
20	11900217022	BISWAJIT SHARMA	Successfully Completed
21	11900217023	BIKRAM BARMAN	Successfully Completed
22	11900217024	BIDISHA DAS	Successfully Completed
23	11900217025	BAISHALI SAHA	Successfully Completed
24	11900217026	AYAN DUTTA	Successfully Completed
25	11900217027	ARPAN BHAKTA	Successfully Completed
26	11900217028	ANUSHKA KUMARI	Successfully Completed
27	11900217029	ADITYA HALDER	Successfully Completed
28	11900217030	ADARSH RAI	Successfully Completed