



Report for the workshop on OOP with JAVA on 23.11.2020 to 08.12.2020 for 5th semester 2022 pass out students.

The major motivating factor in the invention of object-oriented approach is to remove some of the flaws encountered in the procedural approach. OOP treats data as a critical element in the program development and does not allow it to flow freely around the system. It ties data more closely to the function that operate on it, and protects it from accidental modification from outside function. OOP allows decomposition of a problem into a number of entities called objects and then builds data and function around these objects. The data of an object can be accessed only by the function associated with that object. However, function of one object can access the function of other objects. OOP offers several benefits to both the program designer and the user. Object Orientation contributes to the solution of many problems associated with the development and quality of software products. The new technology promises greater programmer productivity, better quality of software and lesser maintenance cost. OOP has become one of the programming buzzwords today. There appears to be a great deal of excitement and interest among software engineers in using OOP. Applications of OOP are beginning to gain importance in many areas. The most popular application of object-oriented programming, up to now, has been in the area of user interface design such as window. Hundreds of windowing systems have been developed, using the OOP techniques. The facilities that C++ adds on to C are classes, inheritance, function overloading and operator overloading. These features enable creating of abstract data types, inherit properties from existing data types and support polymorphism, thereby making C++ a truly object-oriented language.

Objective of the training: Students will be explored to understand the basic areas and applications of OOP with C++/ JAVA. They also acquire the skills to apply OOP in real time system, simulation and modeling, Decision support and office automation systems, Object-oriented data bases, Neural networks and parallel programming etc.

Outcome of the program:

Students will be able to:

- Able to exhibit knowledge to understand the preliminary concept about OOP with C++ /JAVA.
- Able to apply OOP in real time, simulations, modeling, automation, office system etc.

The program details are as below:

Title of training : OOPs with C++/JAVA

Resource Organization: Ardent Computech

Date : 23.11.2020 to 08.12.2020

Venue : Online (<https://global.gotomeeting.com/join/932720229>)

Summary of the program:

The following points can be noted from the program

- At the beginning of the training and in day one and two trainer has clearly described the basic theories of C, C++, OOP, JAVA, its application in industries in different areas with the students.
- The students were asked to be ready with their laptops for programming and the trainer instructed and taught the students the different programming on the basis of the theories they have learned.
- Students had done many programming by themselves during the trainings.
- At the end of the training an online exam was conducted.
- During the training some students raised their queries and the trainer had explained all the queries of the students.

VISION OF THE DEPARTMENT:

To emerge as a leading Department of Electrical Engineering that caters to the latest needs of power sector, electrical & allied industry in the region.

MISSION OF THE DEPARTMENT:

To evolve as an innovative & globally competent Electrical Engineering department that contributes to the socio - economic growth of region by utilizing the advancement in Electrical Engineering by providing conducive learning and interactive environment to students and faculty.



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- The list of the enrolled students from the department of Electrical Engineering for the training is 21 and total attendance for this training was of 152 with all CSE, IT and EE.
- As per the feedback received from the students end, the entire session was really fruitful and enjoyable and this kind of training program may be for longer period in future for such better output.

List of the enrolled students for the training:

Sl. No.	Roll No.	Name of Student
1	11901618022	Payel Majumdar
2	11901618023	Nischal Rai
3	11901618024	Komal Kumari
4	11901618025	Gourav Roy
5	11901618027	Darshan Nath
6	11901619002	Srijana Subba
7	11901619003	Jayshree Barman
8	11901619004	Joyram mistry
9	11901619005	Jagrity Saha
10	11901619024	Sachin Bhujel Khawas
11	11901619025	Kamalesh Gurung
12	11901619026	Dipna Thapa
13	11901619027	Shaglein Ahmed
14	11901619028	Payel Das
15	11901619035	Subhadeep Adhikari
16	11901619036	Prakriti Tamang
17	11901619037	Biplab Mandal
18	11901619038	Animesh Singha
19	11901619039	Dipankar Singha
20	11901619040	Rohan Roy
21	11901619041	Sital Pradhan

Feedback analysis for the event:

VISION OF THE DEPARTMENT:

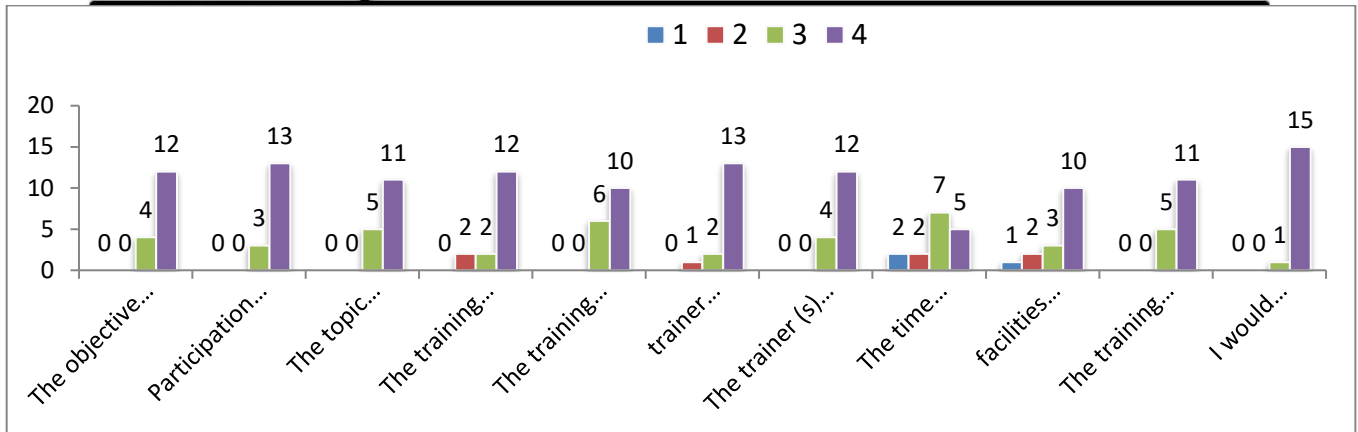
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Head of the Department
Department of Electrical Engineering,
Siliguri Institute of Technology

H.O.D

Department of Electrical Engineering

Jt- coordinators

Training and Placement subcommittee,
Department of Electrical Engineering

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