

HKBK COLLEGE OF ENGINEERING

Department of Information Science & Engineering

Report on Student Development Program on “Object Oriented Programming with C++” conducted from 04th – 06th, Feb-2019

Organized by Department of Information Science and Engineering

The SDP on “Object Oriented Programming with C++” was conducted from February 04th - 06th, 2019, for 2nd year students of Information Science and Engineering at ISE Seminar Hall.

Day 1 Sessions – 04th February 2019: The session was presented by Prof. Aseema Sultana. The session started with a Quiz that was conducted on C Programming as part of pre-work for the students to attend the workshop. The agenda for the rest of the day included- Overview of C++, Programming in C++, Different data types, operators, expressions and statements, arrays and strings, pointers & user defined types, Function Components, argument passing, inline functions, and function overloading followed by hands on session on the various concepts in C++.

Day 2 Sessions – 05th February 2019: The session was presented by Dr. Syed A Mustafa, HOD-ISE.. The agenda for the day included- Classes and Objects, Scope resolution operator, Access members, Data hiding, Constructors, Destructors, Static data members, Functions, Passing objects as arguments, Returning objects, Arrays of objects, Generic functions and classes followed by hands on in C++ for the concepts covered.

Day 3 Sessions - 06th February 2019: The morning session was presented by Prof. Farnaz Khatoon and the afternoon session was taken by Prof. Aseema Sultana. The agenda for the day included - Inheritance and their types: Base Class, Inheritance and protected members, protected base class inheritance, inheriting multiple base classes, Constructors, Destructors and Inheritance, followed by a hands-on session on the topics covered. The last session concluded with a Quiz conducted on C++ programming.

The Program enabled the students to gain insight into the world of Object oriented programming and gave them an experience learning C++. All the students had interactive and hands on sessions on the same. The program concluded thanking the Management, HOD-ISE, the Presenters and Coordinators.

Presenter and Schedule details:

Date	Schedule	Presenter Details
04/02/2019	Session 1: Online Quiz on C Programming	Prof. Aseema Sultana, ISE
	Session 2 & 3: Overview of C++ and hands-on session	
05/02/2019	Session 4: Classes and Objects	Dr. Syed A Mustafa, HOD-ISE
	Session 5: hands on session on classes and objects	
06/02/2019	Session 6: Inheritance and its types	Prof. Farnaz Khatoon, ISE
	Session 7: hands on session on Inheritances	
	Session 8: Online Quiz on C++ Programming	Prof. Aseema Sultana, ISE

Relevance to PO's, PEO's and PSO's: Engineering knowledge [PO1], Problem analysis [PO2], Modern tool usage [PO5], [PEO2], [PEO5], [PSO1]

No. of Students who attended the workshop: 65 [4th semester A and B sections]

Organizing Head: Dr. Syed A Mustafa, HOD-ISE

Coordinators: Prof. Aseema Sultana, ISE and Prof. Farnaz Khatoon, ISE

Excellent Performers in the SDP:

Sl. No.	USN	Name	Rank / Grade
1	1HK17IS027	Hrithik C	Winners position with A+ Grade
2	1HK17IS026	Harsh Narnot	Runners position' with A+ Grade
3	1HK16IS035	Laurel V S	Third Place with A+ Grade

Glimpses of Students Participating in the SDP on " C++ " and having an interactive session



Glimpses of Students Participating in Quiz during the SDP on " C++ " and having hands-on practice

