

Advance Certificate Course in Computer Application

(12-10-2019 to 25-10-2019)

Syllabus/Curriculum

The curriculum for Computer Application courses was developed by the Department of Computer Application by following the due diligent process. Close consultations were held with the college teachers involved in teaching of the courses. After multiple iterations, the final syllabus of the programme was approved by U.G.C.

1. INTERNET BASICS

- Web Essentials: Clients, Servers, and Communication
- HTML Web Development introduction:
- HTML-Introduction HTML-Basic Formatting Tags, HTML-Grouping,
- HTML-Lists, HTML-Images, HTML-Hyperlink, HTML-Table, HTML-Iframe, HTML-Form

2. Cascading Style Sheets (CSS)

- Introduction to Cascading Style Sheets
- Types of CSS, ID Selector, Tag Selector, Class Selector,
- CSS Properties, Type Properties, Background Properties, Block Properties, Box Properties List Properties, Border Properties

3. Introduction of languages

- C++,Input/Output in C++, Structure of a program, Variables, Operators,
- Data Types, Conditional Structure Looping Structure Functions, Library Functions User Defined Functions Array - Single Dimension
- Array - Multi Dimension , String - Character Array
- Object Oriented Programming,

4. PHOTOSHOP

- Types of Image, Graphics Introduction to Adobe Photoshop Interface, Tour of Photoshop Colour Modes, Resolution and Presents Move Tool, Marque Tool, Lasso Tool,
- Quick Selection, Magic Wand Crop, Slicing Tool, Healing Brush, Patch Tool Brush Tool History Brush Eraser Tool Pen Tool, Shape Tool Text Tool Layers, Groups and Smart Object Blending Options Filter Effects Create Backgrounds for Web pages Create Buttons for Web pages.

Assessment Procedure:

Assessment is based on attendance during the term and an examination on completion of course. Appreciation certificates along with medals are provided to top three students in batch.

75% attendance is compulsory; certificate will not be given to students whose attendance is less than 75%.

Summary Report

Shyam Lal College IQAC & Department of computer Science organised a 30 hours advance Certificate course in Computer Applications from 12-10-2019 to 25-10-2019. Introduction to Add on Course in Computer Applications is offered to the students. This course aims to introduce the discipline of Computer Applications to the students who wish to either take up entry level jobs in small scale computer industry or use computer technology in study of Humanities. The courses are designed to promote computer literacy, and use and appreciate computer technology in day-to-day life. Inclusion of programming courses promotes logical and analytical thinking. Total 90 Students completed this Diploma course.

The course familiarizes the students with fundamentals of computers hardware and software. It introduces the basic computer technologies and provides hands-on practice in the use of commonly used software in small scale industry. Thus the course provides skills for entry level jobs. The course also inculcates logical and analytical thinking by way of offering programming languages. Modern programming languages like C++ and C# are covered, which enable students to move towards digital humanities.

Learning Outcomes:

1. Efficiently use of tools like HTML, Web Developing, CSS.
2. Develop programming Language (e.g. C++)
3. Use multimedia authoring tools to design small applications using sound, audio, and video/animation.
4. Develop simple websites using HTML/DHTML, CSS and JavaScript programming codes.
5. Develop and implement a simple project based on case studies.



SLC (University of Delhi)
Shyam Lal College
IQAC & Department of Computer
Science
organize

Advance Certificate Course in Computer
Application (30hrs)

12th October, 2019 - 25th October, 2019

Introduction to Programming Language

Object Oriented Language

Basics of JAVA

HTML with CSS

Dr. Kusha Tiwari
Convenor, IQAC

Dr. Rabi Narayan Kar
Principal, SLC