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शास्त्री तृतीयवर्षम्

सप्तमपत्रम् – सङ्गणकविज्ञानम्

पठ्यक्रमनिष्पत्तयः

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Shastri 5ᵗʰ Semester.

Syllabus: Telnet, Usenet, Internet Relay Chat and Advanced features of C Programming

Introduction to the Syllabus:

Telnet was one of the revolutionary protocol in developments of Internet technology. Authorisation and authentication concepts were the basic needs of Telnet. Now a day's what we call whatsapp, Face book groups were initially ignited by the idea of News Groups and Usenet groups. In advanced practices about C language makes student to understand data structure part of C programming language. The following are the concepts a student can learn at the end of this semester.

- ✓ Telnet was a text oriented communication system used in computers generations. Even today telnet is popular as natural connectivity tool for Barcode scanners, RF terminals etc. Student will get knowledge about the concept behind this technology, how communication is established and information is exchanged.

- ✓ Earlier syllabus covered the concepts of Server-Clients. Now a days IRCs like whatsapp, face book messengers are like part and parcel of life. Student will learn about the methods of implementation User and Internet Relay Chat. This chapter explores the possibilities of searching information in UseNet groups, news groups etc.,

- ✓ In Chapter Advanced features of C Programming, student will learn the advanced implementation of C Programming using different searching and sorting mechanisms. The core concepts of logic implementations are explained using simple programs.

- ✓ A dedicated chapter for Structures and unions which is a part of advanced usage of C Language explores the idea behind the implementations of C program to solve many other problems. This chapter gives a brief idea about how basic methods of C can be combined with its advanced features which gives independence to the programmer to design a program.

Shastri 6ᵗʰ Semester.

Syllabus: Web Publishing, Pointers, Self Referential Structures and Linked Lists

Introduction to the Syllabus:

Up to this semester, in deferent concepts, we had discussed various chapters of related to internet in which we came across many topics of websites. This semester provides how to establish a website, how to get domain name, what are the processes involved in hosting a website etc, also, the use of pointer and linked lists are informative to know memory representation and concept of pointers are important for C. At the end of this semester, student will come to know knowledge about following topics.

- ✓ In this semester, student will get a clear idea about concepts involved in launching a website. How domain names are to be purchased, what is the process behind it, how it works in internet, what is hosting etc.,

- ✓ Student will aware of The basics concepts of internet discussed in earlier semesters gives a complete idea on how client servers works, now in addition to that how a website can be hosted in a sever.

- ✓ This semester syllabus of internet also plays as informative on what are the good practices of Web designing, what are the approaches to be remembered while web designing.

- ✓ The concept of Files, Linked lists gives a logical idea behind the memory occupancy of various values in a program.

- ✓ Linked list concept explains the logics how data can be used and stored in computer without wasting memory. Files concept also elaborates the methods of offline storing or local storing of results generated in a program.