



Govt. Degree College, Timarni

Dist.- Harda (MP)

(Affiliated with Barkatullah University, Bhopal)

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Online Education : Myths and Facts



Dr. Hemlata Ganeshrao Dhage
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Impact of Online Education on Students

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Abstract

Came to see that various sectors of economy have changed including education sector. As opposed to any other sector, education sector has seen many enhancement and chances. Today's educational has become teaching with the help of protectors. Or LED and now its online teaching classes or having through E-Learning portals or web Based e-Learning (WBEL). It has been seen from the past a few years that online education system or E-Learning system has emerged as a powerful contestant for new education system. Today various courses are being run to educational. All the same of difference in culture and language and educate millions of people around the globe on various topics. These days a lot of people of the continuously to use technology or electronic products in any way or any time and of course most important is the internet. Principally online learning had been widely accepted and practice throughout the world. Technology also adds on to visual experience by incorporating animations that can be used interactively for effective learning and communication. Conventional schooling is now seeing an extended prevalence of virtual training materials and online courses. As well as to the expectations of student, parents and the society. Online courses involve case our own goals, tracking upgrade and meeting deadlines.

Keywords – Education, E- Learning, Web Based E- learning (WBEL), Technology, Education System, Scholar, learner.

I. Introduction

The impact of new technologies in educational concern has been commonly positive as new technologies have been educators the opportunity to magnify their knowledge, skills and there fore magnify the standard of educational through constructivist learning environment with digital storytelling. Technology is now passable in many countries around the world technology has exacerbated disparities and has caused an even larger division between the “have and have not” youth, many lower income families cannot afford to buy the educational and informational technology that have proliferated society.

Online education has gained immense popularity among working professionals and students pursuing higher education.

These categories of online learners find spacious advantage in the self government and flexibility that these courses offer. Online courses can be planned around their panel which may link full-time employment, internships and caring for serirs, online learning can also help them take out some quit time to study.



Impact of Online Education on Students

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Abstract

In the elementary stages of the pandemic, most people were deprived with knowledge about making a digital switch in the fields of education.

While the educational institutions and government deliberated on how to proceed in the context. Students had no option but to wait for a concrete response.

Nowadays students heavily relied on online mediums of education to keep pace with their curriculum. The online academics and task really come in handy for students at this time. Who could continue learning uninterrupted with the help of these online platforms.

It is wonderful how easy and feasible technology has made online education nowadays of need and how fast it has evolved in the education field to make online education the norm. Teachers who are all experts in block board, chalk, books and classroom teaching are really new to this digital teaching but they are adopting the new methods and handling it like a pro to aid the students in the current position. There are both positive and negative matters happening around as a result of the covid-19 everything is happening for the well-being of the students so that they can stay safe at home without getting affected by the life threatening virus.

I. Introduction

Education and training that displayed within a triangle of school-teacher-student has now utilized new, multifaceted, multi-channel alternatives with the help of technologies in the education system. One of them is “online learning.”

The term “online learning” is used in this paper to refer to distance learning happening via online mode. The term not only encompasses full-fledged formal online courses, the so-called Massively Open Online Courses (MOOCs), but also supplementation of regular classroom learning with online content dissemination and interaction, the so-called flipped classroom or blended mode. Online learning is a core component of our stride towards achieving No. 4 of UN Sustainable Developmental Goals (UN-SDGs), quality education. While “quality education” itself is abstract and it has many meanings

Detailed surveys of student’s perceptions about online learning have been scanty in India, the second-most populous country in the world. Among a few studies



Chapter - 1
Phenolics & Alkaloids Based Phyto-Secondary
Metabolites & Their Pharmacological
Application

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Chapter - 1

Phenolics & Alkaloids Based Phyto-Secondary Metabolites & Their Pharmacological Application

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Abstract

The comprehensive and multipurpose medicinal properties of phytopharmacophores of the plants are basically reliant on their phytochemical constituents. Commonly, the plant phytopharmacophores ingredients are classified into two classes based on their role in basic metabolic phenomenon, namely primary and secondary metabolites. Primary metabolite is a kind of metabolite that is directly involved in normal life functions such as growth, development and reproduction of the plants. It generally accomplishes a physiological function in the organism. It is also discussed as a fundamental metabolite; therefore, they are more or less similar in all living organism of the plants.

However, Secondary metabolites are ingredients that are not necessary for a cell organism to live, but play a vital role by the interaction of the cell organism with its environment. These constituents are regularly involved in plants protection against biotic or abiotic stresses.

In the sequence of perusal, the pharmacophore effects of herbals are concerned with the secondary plant metabolites. Secondary plant metabolites played an important role in diminishing several ailments in the traditional pharmacophore and mutual uses. In series of contemporary pharmacophores, they provided central ingredients for the production of drugs for treating various ailments from minor up to heart attack, cancer etc. Secondary plant metabolites are categorized according to their chemical structures into various groups and sub groups. In this chapter, we will be proposing numerous classes of secondary plant metabolites, their dispersal in diverse plant families and their pharmacological applications.

Keywords: phyto-secondary metabolites, alkaloids, phenolics and phytopharmacophore



The book comprises of seven chapters.
Chapter 1 we present some preliminaries that will be needed in the sequel.
Chapter 2 we introduce the notion of partial cone metric spaces over Banach algebra and prove fixed point results.
Chapter 3 we propose a generalization called partial cone b-metric spaces over Banach algebra, replacing Banach spaces by Banach algebra.
In Chapter 4 we define J-cone metric spaces over Banach algebra. We study the topological and structural properties of the new space and derive some fixed point theorems.
In Chapter 5 we establish some coupled fixed point results for generalized Lipschitz mappings verifying in J-cone metric space over Banach algebra.
Chapter 6 we introduce the concept of cone b₂-metric space over Banach algebra. Next, we define generalized Lipschitz and expansive maps in the new structure and establish the existence and uniqueness of fixed points for such mappings.
In Chapter 7 we devote our study to introduce the structure of N-cone metric space over Banach algebra. We define generalized Lipschitz mapping and prove some fixed point results for such mappings in the new framework.

Jerolina Fernandez and Neeraj Malviya



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Recent Developments of Cone metric spaces over Banach algebra



Jerolina Fernandez

The book consists of 9 chapters.
Chapter 1 The first chapter presents some preliminaries and historical notes on metric spaces.
Chapter 2 We study asymptotically regular maps and sequences in partial cone metric spaces and derive some fixed point results.
Chapter 3 We aim to deal with expansive maps in Partial cone metric spaces and prove some results.
In Chapter 4 we discuss the notion of the N-cone metric spaces, define asymptotically regular maps and prove some fixed point theorems.
In Chapter 5 we define topology and prove unique fixed point theorems for contractive maps in N-cone metric spaces.
Chapter 6 is devoted to introducing the notion of N-fuzzy metric spaces, described some properties and also proved some fixed point theorems.
In Chapter 7 we introduce a new space called Nb-cone metric space. We define expansive mapping for the new setting and prove some fixed point theorems.
In Chapter 8 we introduce pseudo-G-metric spaces and pseudo-G-metric product spaces.
Chapter 9 is devoted to another new space named Cone metric-like space over Banach algebra. We define Generalized Lipschitz map and proved some fixed point results.



Jerolina Fernandez
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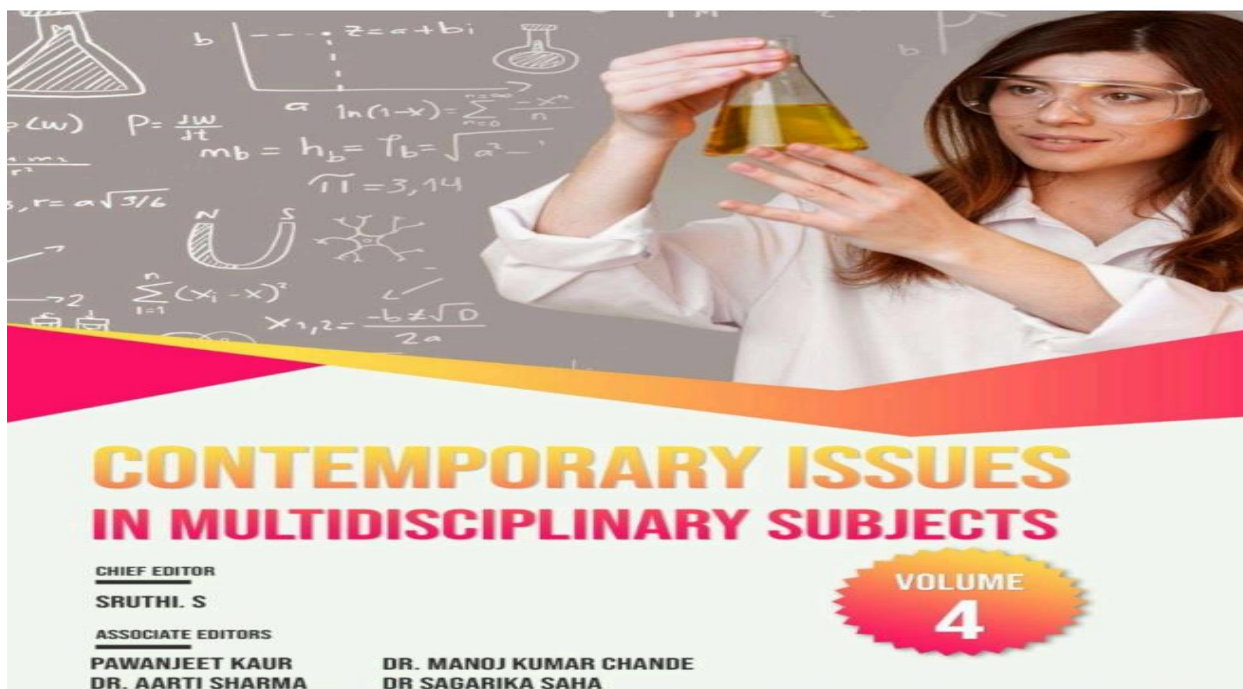


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THE INVESTIGATION OF SOME NEW METRIC SPACES



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CHAPTER 34

A Study on Research and Application on The Smart Home Based on Component Technologies and Internet of Things

Mr. Pankaj Khairnar⁵⁸

Abstract

This paper present the propose of a smart home organization based on Internet of Things (IOT) and examination section technologies. The existing situation of IOT has been analyzed in detail. An approach based on SOA and component technology has been future and applied, which can help to realize every changing dynamic semantic integration of the web military. Furthermore, the software architecture and main modules are explain as well. Finally, this paper discussed the assorted information fusion in the Internet of Things.

Keyword: Internet of Things (IOT), Technology, Security Service, Sencor, Nano Technology

Introduction

The Internet of Things (IoT) establishes another connection between all things and the Internet through a knowledge sensing strategy and intelligently implementing identity and organization. Information sensing devices include RFID (Radio Frequency Classification Equipment), infrared sensors, as well as GPS and laser scanner devices. And they are all connected to the Internet to operate remote discretion and control. IOT is widely applied in intelligent transportation & environmental protection, government work, public security, smart home, intelligent fire control, manufacturing monitoring, elderly care, personal health etc. The network in the diagram refers to a certain network that can be recognized, positioned, tracked, monitored and managed intelligently. With the development of economy and the advent of information-based humanity, people's requirements for living conditions are constantly increasing. Slowly but surely it is becoming more and more imperative to build smart homes and intelligent inhabited constituencies based on the application of information technology. At the same time it is important to process and use information on a large scale and decentralized. Service reduction based on component and SOA becomes the dominant sign of IoT and then gets used to every changing requirements.

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CHAPTER 33

A Correlative Study on A Virtual 3D Context on The Video Collaborative Virtual Environment in Celebrity Quotes, Dream House and Arid Survival Game

Mr. Abhishek Agrawal⁵⁷

ABSTRACT

Collaborative Virtual Environment (CVE) imaginings have been utilized in numerous devices in the past couple of years. Use of technology range that is from army warfare simulations to different national engineering uses the goal of the analysis is actually analyzing the outcome of 3 dimensional (3D) virtual environments and greater than before reality apps. The overarching goal of the tests discussed in this specific thesis was investigating whether individuals collaborate in video CVEs feel and behave much more similarly to being face-to-face compared to those collaborating through regular video conferencing tackle.

Keywords : *3D Video, implicit, consultation, Communication, Environment.*

INTRODUCTION

The aim of real time telecommunication medium is in trouble the area between organically dispersed groups and makes the intuition that persons are in concert, when in reality they're not. present-day video conferencing engineering offers to provide such an false impression, frequently heralding video mediated correspondence (VMC) to be the next most sensible thing to being face-to-face. This particular claim appears not very farfetched if a person considers the benefit of having the ability to see the facial expressions of the other individual throughout video communications that are lacking in regular phone calls. In comparison to being face-to-face, on the other hand, even VMC still seems detached, cumbersome, synthetic, and distant. A inadequacy of extensive video collaboration which contributes to this perception would be that the 3D context among individuals and the shared workstation of theirs provided in face-to-face exertion is lost.

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CHAPTER 35

A Study an Empirical Analysis of XML Parsing Using Various Operating Systems

Mrs. Murti Chouhan⁵⁹

Abstract

XML has gained significant popularity as it is recommended by the World Wide Web Consortium primarily because of its potential for universal data interchange. The reason acquires a remarkable importance. Using data exchange and data transfer through web context mechanism. As XML has become a defender standard for data representation and exchange, XML data processing has become more and more important for server workloads such as web servers and database servers. One of the most long-delayed part is XML document parsing. XML has also impressed developers with features such as separating content from format, the ability to define custom tags, and interoperability, which facilitates tasks that previously were complicated or impossible to implement. In order to improve the processing performance of XML parser, it is necessary to find out a mechanism, in which we get minimum processing time while parsing XML documents. Parsing is the main operation performed before navigating, querying or manipulating an XML document. Nowadays, high performance XML parsing has become a topic of considerable interest. this paper, we are presenting a performance Research of XML data parsing by evaluating these parsers using time as a parameter. In this paper, XML documents can be experimentally tested using different operating systems to determine whether an operating system affects the processing time of XML parsing. In this, five valid XML parsers coded in Java are studied from three aspects: accuracy, speed and storage requirements. The results of this study show that parsers differ in terms of formality, validity, namespace features, and parsing speed. In this we evaluate data parsing as well as study architectural features. The proposed design analyzes the performance of XML parsing techniques using various data structures. Based on the observed analysis and graphical results, it is demonstrated that the data structure based parser is efficient as compared to the SAX and DOM parsers. This parser selection can have a major impact on the behaviour of a web application.

Keywords— XML, SAX, DOM parser, accuracy, document validation, operating system.

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CHAPTER 31

Wireless Communication Technique Used in The IOT Application

Miss Jyoti Kashiv⁵⁵

Abstract

Internet of Things is a platform where every day devices become smarter, all day processing becomes sharp, and every day communication becomes enlightening. Architecture explicit study does always pave the conformation of related field. The require of in all-purpose architectural knowledge is presently resisting the researchers to get through the capacity of Internet of Things centric approaches. This literature survey Internet of Things oriented architectures that are capable enough to improve the perceptive of related tool technology, and methodology to facilitate developer's requirements. Straight or ultimately, the presented architectures propose to solve real-life problems by building and deployment of powerful Internet of Things concept. Further, research challenges have been investigated to incorporate the lacuna inside the current trends of architectures to inspire the academics and industries get involved into seeking the possible way outs to appropriate the precise power of Internet of Things. A main role of this survey paper is that it summarizes the current state of the art of Internet of Things architectures in various domains systematically

Keywords: - Wireless, Communication, technique, architecture, Iot, etc.

Introduction

Around two billion people use the Internet to do items like explore the web, send and receive messages, access multimedia material and resources, games, use social networking tools, and do a variety of other things. While an increasing number of people will have access to such a global information infrastructure, another significant step forward will be made in the use of the Internet as a global platform for allowing machines and smart objects to communicate, converse, compute, and coordinate. It is expected that the Internet will exist as a seamless weave of traditional networks and networked things over the next decade. Content and services will be available all the time, paving the way for new applications and enabling new ways of working and connecting. new ways of interact; new ways of activity; new ways of live In this scenario, the traditional view of the Internet as an infrastructure network connecting end-user terminals will become obsolete, giving way to a vision of networked "smart" things constituting pervasive computing environments. For the past few years, the phrase "Internet of Things" (IOT) has been used. Because of

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