Seminar Proceedings
"Innovative Teaching Practices for Education Par Excellence in Online Era" July'10
Deep Infotech, Lucknow

1

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Dr Hitesh Keserwani
hiteshkeserwani@gmail.com

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2

Impact of innovative teaching practice quality on high secondary student   in Lucknow city

Bhawana Avasthi
Research Scholar
Amity university Lucknow campus Uttar Pradesh

objective: -

➢ To identify quality of effective & well design course e -content for collaboration of student.
➢ To find out motivational communication between teacher &learner in online classroom.
➢ To study educational strategies in virtual reality for improving learner's creativity.
➢ To study online learning environment through supportive instructor for learner's excellence activities.
➢ To study the impact of developmental challenges & technological determinism faced by student.

Sample: -the study is suitably employed purposive sampling technique with the sample size 75 student &50teacher of CBSC &50 parents.

Tool & Techniques: -questionnaire, interview, survey have been used for data collection.

Data Analysis: -data will be analysis through frequencies and percentage responses.

Findings: -the study reveals that the innovative teaching learning strategies fulfill classroom environment &improvements in technology, changing thinking patterns about student's learning, active learning and constructivist approaches domination in the teaching learning process are bringing in radical changes in the role of teacher in classrooms. it will be helpful to make decision to implementation in online era.

Parents' responsibilities towards their child's online studying proficiency: The inapplicability of ICT in early childhood

Dr. Sarveshwar Pande,
Assistant Professor
Amity University, AUUP, Lucknow
Email: prof.spande@gmail.com

Abstract

Online education has been extensively promoted to provisionally replace traditional face-to-face learning during the COVID-19 pandemic to uphold young children's learning and play at home. A survey carried out in November 2020 of 500 parents' residing in urban Lucknow revealed the parents' beliefs and attitudes around young children's online learning. Most parents (92.7%) in the study testified that their children had very minimal online learning experiences prior to the pandemic, but once the institutions closed, it became a daunting task for parents to shift their children to online learning and many young children (84.6%) spent less than a half-hour each time. All parents generally had adverse philosophies about the values and gains of online learning and favoured traditional learning in early childhood settings. The hardship caused by the COVID-19 pandemic has made them more resistant to online learning at home. The results suggested that the implementation of online learning during the pandemic has been problematic and challenging for families. Parents and their children were neither coached nor ready to incorporate online learning. The paper concluded with implications for policymakers and teacher education, whilst using online methods as this pandemic is here to dwell for a very long time. (198 Words)

Keywords: Online learning, Parents, Young children, Beliefs, Attitudes, COVID-19

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3

Digital and Pedagogical Skills: - The Role of Teachers during COVID-19

Dr. Satyarth Prakash Tripathi
Professor of English
Amity School of languages
Amity University
Lucknow

Abstract

The pandemic has engendered the digital enhanced education which obliged the teachers to reach out the students with full prospects and that too in a short span of time. Digital pedagogy adopted by teachers reconceptualized the educational teaching and learning. Initially the challenge was to provide equal access and quality learning, which was followed by health, safety, and well-being of teachers / students, reaching out in remote areas, blended and hybrid learning. Continuous technological changes and lack of IT support has given rise to adaptability struggle like equal access, tech literacy and other issues like time management etc. On the contrary digital approach provided relevant learning experience which improved access to information. Innovation of massive educational tools and online teaching platforms created a need for teachers to be aware and digitally skilled.

Keywords: - Digital, Pedagogy, Technology, Educational and Tools

Innovative teaching and learning efficiency: Opportunities and Challenges

DR Upendra Nath Shukla:
Assistant Professor,
Amity Business School, Amity University Uttar Pradesh Lucknow Campus

Abstract:

Innovative teaching these days has become the need of the hour in the present online era particularly post COVID-19. Therefore, online teaching has attracted the interested of the researchers and policymakers both in the recent past. Online teaching may be monotonous and ineffective as long components of innovations are not added to it for better learning outcomes. This has been emphasized in NEP-20 as well, where NEPTL-SWYAM are the platforms providing online teaching with different innovative methods. Present paper is an attempt to analyze innovation in online teaching and its impact on effective learning. Content analysis id done based on extensive review of literature. It is explored that- Audio Visual tools, Creative teaching, E-Content, Brainstorming, outside classrooms, Flip Classes, role plays, cases and simulations are the top innovations that have enhanced interest in teaching for better learning effectiveness and outcome.

Key Words- Teaching, Learning, Online, Innovative, NEP-20

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4

Innovative Teaching Trends During Covid-19 Crisis: Refocusing Learning though flipped classroom

Dr. Rekha Khosla
Assistant Professor-HR & OB,
Amity Business School, Amity University, Uttar Pradesh
Email: rekha_panwar@yahoo.com, Mob: 91-9919990980

Abstract

The Covid-19 pandemic has raised an urgent and unexpected request for the education community worldwide to shift from previously face-to-face teaching to be online. Online teaching and learning imply pedagogical content knowledge designed and organized for better learning experiences and creating unique learning environments, using digital technologies. Teaching is going through a momentum of great transformations, and there has been dynamic role of technology helping the teachers to use innovative methods to connect with the students for academic learning. This paper makes an attempt at providing understanding innovative teaching trends for professional development of students, by use of various learner- centered approaches such as flipped classrooms and other innovative teaching methods. It is based on the secondary information obtained from various research studies, documents, and reports; aimed at explaining how these approaches helps to provide quality education and create favorable learning environment in the classroom. At the end of the study, the advantages, and disadvantages of using FC Model are, and necessary suggestions made.

Key Words: Innovative teaching trends, flipped classrooms, teaching learning process, professional development

SWITCHING FROM OFFLINE PLATFORM TO ONLINE PLATFORM CHALLENGES FACED IN EDUCATION SECTOR IN INDIA

Dr. Nimish Gupta
Associate Professor, Amity University, Lucknow.

Abstract

The spread of COVID-19 has led to the closure of educational institutions all over the world. The whole educational system from elementary to tertiary level has been collapsed during the lockdown period of the novel coronavirus disease 2019 (COVID–19) not only in India but across the globe. Many institutions have become interested in how to best deliver course content online, engage learners and conduct assessments. Many institutions looked forward to an intellectually enriched opportunity for further future academic decision-making during any adversity. This tested the preparedness of universities to deal with a crisis that requires the help of advanced technology including hardware and software to enable effective online learning. Such closure accelerated the development of the online learning environments so that learning would not be disrupted. This massive unplanned transition from traditional learning to an exclusively online learning setup has changed the methods of academic institutions in delivering the courses for their students. For example, medical graduates of the twenty-first century are exposed to online textbooks and modules with video lectures and computer-based exams. With this evolution in teaching modalities, a "flipped classroom" model for learning has been adopted by many institutions around the world. With this background, the present paper is an attempt to study and portrayal of online teaching–learning modes adopted by the institutions of higher learning for the teaching-learning process and subsequent semester examinations. This paper will also discuss about the problems being faced by the academicians and students in adopting this method of teaching.

Keywords: COVID–19, Lockdown, online teaching and learning, flipped classroom.

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Deep Infotech, Lucknow

5

Digital Transformation of Education: Covid 19 Pandemic Spurting the Remote Teaching for Creation of an Intelligent Learning Space

Author: Dr Sana Moid

Assistant Professor

Amity Business School, Amity University, Lucknow

Email: sanamoid14@gmail.com, smoid@lko.amity.edu

Abstract

Background: When lockdown was imposed last year in March 2019 the biggest question that grappled the education sector was the continuity of regular classes and syllabus completion. In order to stop the spread of this deadly virus and to break the chain lockdowns were imposed in different parts of the world prohibiting the movement of people outside their homes which resulted in finding out new ways and means to carry on everyday activity including office work, teaching activities at schools, colleges and universities, buying every day's household items etc. Education sector completely adopted the Remote Teaching concept thereby connecting Educators and Students through technology. The use of Disruptive Technologies like Artificial Intelligence, Block Chain, Virtual Reality, Augmented Reality etc. have been in Education sector since the advent of Industry 4.0 that bought a new revolution, and the outbreak of Pandemic spurted the massive usage of these technologies leading to a creation of an intelligent learning space.

Purpose: The present study aims at understanding that how the outbreak of Pandemic spurted in creating an intelligent learning space aligned with disruptive technologies for developing and enhancing education with learner at the center further facilitating remote teaching during the current scenario.

Methodology: For the purpose of study secondary source of data including research papers and news articles based on similar theme were referred and analyzed for drawing identifying the suitable gaps and drawing meaningful conclusion

Conclusion: The Intelligent learning space created through the application of emerging technologies like Artificial Intelligence, Virtual Reality, Augmented Reality, Mixed Reality, Mobile Learning etc. have helped the Education Sector to address the challenges that have cropped up due to the pandemic by connecting learner and educators virtually even if they are located at the remotest geographical locations and has enabled customized learning as well. It is no more the policy of "one size fits all" but customizing the learning process as per the capabilities of the learner making the entire scenario as learner centric.

Keywords: Remote Teaching, Disruptive Technologies, Mixed Reality, Artificial Intelligence, Virtual Assistants, Pandemic, Customized Learning

Seminar Proceedings
"Innovative Teaching Practices for Education Par Excellence in Online Era" July'10
Deep Infotech, Lucknow

6

Influence of Digitalization on Education: An Overview

Dr. Joydeep Das Gupta
Asst. Professor III
Amity School of Fine Arts
Amity University, Lucknow

Abstract:

Absolute and complete use of digital skills are changing the needs of modern learners who are eagerly looking for learning opportunities beyond the conventional classroom-based approach. With the growing developments of technology in contemporary lives, there is a rising need for following and adapting digital technologies in the education process. Digital transformation in education can enhance the traditional classroom teaching learning environment. It can enable teachers to innovate and make attractive pedagogical models for creating better connect with students. Technology has given a level playing field for students from all zones of society. Continual technological developments with the growing popularity of social media and the Internet of Things is driving the educational ecosystem. Digital transformation and developments in education process can furnish instructional learning, especially in higher education by creating a blended learning experience that fuses both traditional /conventional classroom-based methods and modern technology. The role of digital technologies and resources and its constant development have added more value to the learning and teaching processes in global contemporary society.

Key Words: educational ecosystem, digital skills, contemporary lives, social media

Impact of Digital Transformation of Education System on the Mental Health of Students

Garima Singh[1] and Dr. Shivali Sharma[2]
[1]Research Scholar, Amity Institute of Behavioral and Allied Sciences, Amity University Lucknow Campus
[2] Assistant Professor-II, Amity Institute of Behavioral and Allied Sciences, Amity University Lucknow Campus

Abstract

Due to globalized digital world and specially during the Covid 19 situation, there was rapid transformation in the world of Education. The Education system has become totally dependent on the technology for teaching, training, and assessments. This renaissance taking place in the education system has affected not only the educators who are learning to teach digitally at this advanced developmental stage but also their pupils. Even though most of the students today are born in a digital world but this new alteration in the education system required intensive cognitive adaptation and accommodation. In reference to the current scenario, this study will explore the impact of use of technology assisted teaching including online learning, web-based classes etc. on the student's mental health. All these new generational approaches have brought mixed responses amongst the student fraternity as it has a plethora of positive as well as negative outcomes. The Studies done during these times of COVID 19 suggest that with the increased screen time, students are having physiological, behavioral, and cognitive issues which require intervention by doctors as well as mental health professionals. The present study reviews the impact of digital transformation of education on the mental health of students. The aim of the study is to identify the factors which are negatively affecting the students for planning intervention and management.

Key words: Digital Transformation, Education System, Mental Health, Students, Intervention

Seminar Proceedings
"Innovative Teaching Practices for Education Par Excellence in Online Era" July'10
Deep Infotech, Lucknow

7

Virtual Learning: A Boon During the Pandemic to Continue The Learning Process

Dr. Kapil Shanker Tiwari,
Assistant Professor
Amity School of Hospitality, Lucknow,
Amity University Uttar Pradesh,
Noida, India.

Abstract

In the uncertain times during the Covid-19 pandemic, where not only our nation but the entire world was locked down and had no unified approach how to continue teaching. All the sectors had stagnated the ongoing activities. However, teaching through the usage of online platforms which came out as a marvel and assisted the student's forum to continue their learnings. During this phase of imparting the knowledge many of the non-technical facilitators, who were not acquainted with the online learning tools have come up with an excellent understanding of using the online learning tools and tried to compensate the educational loss of the students through the transformed teaching pedagogy. There at times, these learning technologies were a nightmare but now it has become an integral part of our daily routine. However, many challenges and issues took place in the journey of using online teaching technologies but at last it was clearly being understood that there was no such other way to make the learning sustainable. Now right from basic learner to the educationist nobody can deny that through the usage of online teaching pedagogy the learning continued. Certainly, we can't compare real learning with the virtual one, but online learning has proven to be an outstanding alternative during the pandemic.

Keywords: Pandemic, Online Learning, Learning Tools, Teaching Pedagogy.

COVID - 19 AND CHALLENGES OF ONLINE EDUCATION FROM TEACHERS PERSPECTIVE

Dr Himanshu Rastogi
Associate Professor, Amity University Uttar Pradesh,
Lucknow Campus.
drhrastogi@gmail.com

Abstract

We all are very aware of the fact that emergence of COVID - 19 pandemic has derailed almost all sectors with only few exceptions (pharmaceutical sector) being benefitted from it. This pandemic came as a shock for the education sector, which was gradually incorporating technology and information technology tools to impart education taking its own time, was suddenly to adapt the technological aspect very swiftly and in haste to reach out to students and learners for making the teaching learning process to flow without much disruption or break In this background online way of teaching via various online platforms such as MS Teams, Google Meet, Google Classroom, WebEx, Zoom came into picture and gained popularity to act as a connecting medium between teacher and taught for all academic related activities right for conduct of class, giving homework, discussions in small groups to conduct of tests and examinations and so on. Since we all have been patting our back that the teaching learning process could be very effectively managed and performed during these pandemic times, but the fact is that there have been many challenges in terms of conduct and flow of class as per acceptable, focused and disciplined approach. The greatest challenge in terms of online teaching is that mostly student's ore not focused towards online classes and they are involved in multi-tasking even when they are logged in and are showing online they may not be serious towards the lectures or may not even be listening what the teacher is talking all about. Another issue is that teachers find it extremely difficult to manage and control the class with complete hold on students as for new students since they have not connected to teachers physically and have been interacting with each other only online therefore the

Seminar Proceedings
"Innovative Teaching Practices for Education Par Excellence in Online Era" July'10
Deep Infotech, Lucknow

8

warmth and discipline among students towards teachers takes a back seat. Similarly, there are other issues that the teachers normally face during conduct of classes in online mode. The paper tries to highlight the various issues that come across while conducting online classes and tries to suggest ways to handle them. After all good educated and disciplined students decide the direction of future society.

Keywords: COVID - 19, Pandemic, Online Education, Education Sector, Online Platforms

A Review: Applications of Queuing Theory in our daily life

Kavita Thukral
Research Scholar
Chandigarh University,Gharuan
ktkavita540@gmail.com

Abstract:

Queuing theory has been widely applied in many different fields. Queuing Theory is the study of the movement of people, goods, or information through a line. A queue is formed in various situations in our day-to-day life. Queuing theory is the mathematical study of waiting lines, and it's extremely used for evaluating how people queue in their daily lives. Queuing theory is important because it assists in describing characteristics of the queue, like average wait time, and it provides the tools for optimizing queues. The waiting queue can be properly modelled and analyzed to solve real-world problems. Queuing theory is applied in various situations such as computer networks, banking and medical field. In this article, we reviewed some of the basic structures of queuing theory and its applications in different areas.

Keywords: Waiting time, System time, Arrival process, service process, queue length, length of system

CHALLENGES OF ONLINE LEARNING AMONG STUDENTS WITH INTELLECTUAL DISABILITY

Mahesh Kumar Choudhary
Assistant Professor (MR)
DSMNRU, Lucknow (U.P.)
nimhmahesh@gmail.com
Mobile No. 9794316381

Abstract

Students with intellectual disability have limited cognitive capacity which affects their all the area of cognitive functioning. Their cognitive functioning is lower than that of their normal peer age group. In order to full realization of their potential and educational benefits classroom setting, curriculum content, teaching pedagogy and teaching learning materials needs to be matched according to their needs. This COVID-19 pandemic compels all the students including students with intellectual disability to suddenly shift from conventional classroom and face to face teaching learning to virtual classroom and online education. This present survey study is design to find out the various challenges of online education faced by the students with intellectual disability. Purposive sampling technique used to select the samples. The findings of the study revealed that the students with intellectual disability facing number of challenges related to operating system, time management, self-motivation, concentration, understanding and peer interaction. Findings of the study provide an insight to the administrator, teachers, parents, other professionals, and stack holders to plan accordingly to overcome these challenges.

Key words: Challenges, Online learning, Intellectual disability

Seminar Proceedings
"Innovative Teaching Practices for Education Par Excellence in Online Era" July'10
Deep Infotech, Lucknow

9

Concept Mapping: An Innovative Attempt to Enhance Meaningful Learning in EVS classrooms.

Mr. Nishant Sharma* & Dr. Gaurav Rao**
*Research Scholar& **Associate Professor
Department of Education
Faculty of Education and Allied Sciences
Mahatma Jyotiba Phule Rohilkhand University, Bareilly, U.P.–INDIA
Email- nishant84_sharma@rediffmail.com

Abstract:

The paper explores the role of concept mapping as an innovative approach to enhance meaningful learning that helps the teacher and students. This can lead to improvement in teaching ¬ learning environment. According to Campelo & Piconez (2016), "Concept mapping is a meta-learning strategy based on Ausubel's theory of meaningful learning. "Concept maps represent organized knowledge visually. By developing and implementing the concept maps on selected topics of the VIII standard of EVS subject, the investigators found that the teaching and learning shows a shift from rote learning to meaningful learning when concepts are assimilated by the students. Students could understand the relationship between concepts through concept maps, which were helpful to have a more profound knowledge of these particular concepts and retain it. In this paper, the investigators will probe into the idea of concept maps; in brief, the theory is underlining concept maps. The investigators have also attempted to discuss the results qualitatively and quantitatively, applying the concept mapping approach in class VIII of UP Board school of Meerut district of UP. The paper also envisages concept mapping as effective teaching in the present dynamic education system.

Keywords: Concept mapping, meaningful learning, teaching–learning environment, teaching strategies.

A review of novel COVID-19 and their impact on education system

[1]Nand Kishor Jha, [2]Paramjyot Kumar Jha[#]
[1]Department of Mathematics (UIS), Chandigarh University, Gharuan, Punjab-140413, India

[2]Department of Physics (UIS), Chandigarh University, Gharuan, Punjab-140413, India

E-mail IDs: [1]*nandkishorjha1982@gmail.com*, [2]*paramjyotjha@gmail.com*

Abstract:

In December 2019, a pandemic of virus COVID-19 was started from Wuhan capital, China. It is also named as novel corona-virus. This virus can easily transfer from one human body to another while sneezing, coughing and touching of infected surfaces. The coronavirus gives a symptom of high fever, dry cough, headache, chest pain and pneumonia. In due course of time, this virus creates difficulty in breathing and cause acute respiratory syndrome failure which causes death of the people. Till now there is no definite treatment is available for this novel coronavirus. To prevent spreading of this coronavirus, avoiding close contact with infected people, and maintaining social distance is the most excellent alternative. Due to COVID-19, all schools, colleges, and Universities got closed and worldwide it has affected the educational systems. Disable students are most affected amongst all, as they require specific assistance for study which is always not easily available for them. In the present review paper, the mechanism of communication of virus through airborne droplets, from one body to another body is explained. In addition to this, spreading history, death rates of human body with time, preventions strategies and impact of COVID-19 on educational system is reviewed.

Keywords: Coronavirus, Health, COVID-19, Pandemic, Social distancing

Seminar Proceedings
"Innovative Teaching Practices for Education Par Excellence in Online Era" July'10
Deep Infotech, Lucknow

10

शीर्षक-आभासी कक्षा- डूबते को तिनके का सहारा

नाम -प्रेरणा कुमारी

संस्था-डॉ शकुंतला मिश्रा राष्ट्रीय पुनर्वास विश्वविद्यालय।

जैसा कि पूरा विश्व गवाह है की 2020-21 दशक एक बदलाव का एरा रहा है । जिसने ना केवल आर्थिक ,सामाजिक अपितु शैक्षणिक क्षेत्रों में भी नए बदलाव लाए हैं।इन बदलावों के दौरान कई चुनौतियां सामने आई हैं जिसे मानव समाज ने अपनी सफलता के लिए एक अवसर के रूप में परिवर्तित करने के प्रयास किया और कई सीमा तक सफल हो चुका है।

शिक्षक शिक्षा राष्ट्र के विकास में महत्वपूर्ण भूमिका निभाती है वही शिक्षा प्रणाली में प्राथमिक शिक्षा के बाद द्वितीय नर्सरी के रूप में स्थान रखती है।

तकनीकी आधारित शिक्षा के प्रारंभ होते ही विद्यार्थी सूचनाओं के प्रथम उपयोगकर्ता के रूप में अधिक सक्रिय एवं स्वयं के ज्ञान के निर्माण के लिए अधिक जिम्मेदार, सृजनात्मक, रचनात्मक हो गए हैं वहीं एक उपलब्धकर्ता ,मॉनिटर, मार्ग प्रशस्ता, प्रेरक के रूप में शिक्षक से समाज अधिक आशावान हो गया है।

वर्तमान परिस्थिति में आभासी कक्षा एवं शिक्षण का वातावरण सुनने में तो बड़ा लुभावना एवं वांछनीय लगता है। अवसरों का खजाना लगता है परंतु जहां सामाजिक कौशल एवं विशेष शिक्षा क्षेत्र में कौशल निपुणता की बात आती है तो या एक भयावह स्थिति प्रतीत होती है।

शिक्षक प्रशिक्षुओं को भावी समाज के लिए भावात्मक, संज्ञानात्मक ,कौशलात्मक तौर पर निपुण सशक्त शिक्षक के रूप मे तैयार करना, वहीं शिक्षक को शिक्षा की आत्मा बनाए रखना इस नई आभासी शिक्षा प्रणाली की एक महत्वपूर्ण चुनौती है। इस शोध पत्र में शिक्षक शिक्षा के दौरान आभासी प्रशिक्षण काल के दौरान प्रयोग किए जा रहे हैं नए चलन एवं पूर्व निर्धारित शिक्षक शिक्षा मानदंडों का तुलनात्मक अध्ययन किया गया है। साथ ही पाठ्यक्रम में शिक्षकों द्वारा संसोधन एवं सेवारत शिक्षक प्रशिक्षण के कार्यक्रम को वर्तमान परिस्थिति को ध्यान में रखते हुए तैयार किया जाने की आवश्यकता पर प्रकाश डाला गया है।

शब्द कुंजी-1-आभासी कक्षा

2- द्वितीय नर्सरी

3- तकनीकी शिक्षा

Seminar Proceedings
"Innovative Teaching Practices for Education Par Excellence in Online Era" July'10
Deep Infotech, Lucknow

11

Impact of smartphones on society

Ms. Priyanka Gupta[2] and Mr. Ayush Mishra[2]
[1] Assistant Professor, Step-HBTI, Kanpur
[2] Student, Step-HBTI, Kanpur

Abstract

Nowadays, Smartphone are popular among people for the applications they offer to users. Smartphones make communications with people quite easier. It is one of the most successful inventions of the 20th century, which has become a convenient means of communication. Mobile phones turn out to be a major part of our life due to its advanced features. It is difficult to avoid such new technologies, while we all know the effect of mobile phone on our society and also on environment. Some advantages smartphones provide – better means of communication, learning options to users, great exposure to the latest things, and many more things. Today's world is a world of technology and inventions, and there are many tools which essentially facilitate our life. Mobile phones play an important role in the development of human civilization, but their excessive use brings severe problems. To reduce their harmful effects, one should always remember that mobile phone is a friend, not a master, and it should never be used too much. On the other aspect of that there is also a negative impact of that which is damaged our society and many more things in life. Today's trending ratio of smart phones users worldwide have reached 3.8 million in 2021, and the number is still increasing. Hence, it is not surprising to find everyone around us buried within their smart phones, from eating to waiting on the bus stations. And this negative impact is shown in every segment of ages from children and adult both are addicted in smartphones. The study will primarily focus on impact of Smartphone on business, education, health sectors, human psychology, and social life. The intention of this study is to understand all the positive and negative aspects of Smartphone on the society.

Keywords- Smartphones, Technology, Students, Addiction, mobile, Behavioral intention, Society.

Digital Divide in Online Education: A study

DR.D.R.Satish Babu,
Assistant Professor,
Department of Political Science and   Public Administration,
Yogi Vemana University, Kadapa.
ravindra.babu753@gmail.com

Abstract

Since the raise of Covid-19. Indian society has observed the emergency need in transformation of technology in education system. In this pandemic, global society have awakened in increasing the usage of internet as a center to our daily life, work, education, play, job, networks etc. The internet or online has become an indispensable in education system at all levels to survive in this pandemic. The major understanding is to that weather the online education serves to reinforce the gap between internet- rich and internet poor or to reduce social divisions in the representative democracy. However, this article aims to understand the culture of online transformation of education system and its accessibility to all section of societies and communities. Secondly this article focused on digital divide in the delivery of online educational advancement.

Keywords: Digital Divide-Online-Accessibility-Social Inequalities-Democracy-Obstacles.

Seminar Proceedings
"Innovative Teaching Practices for Education Par Excellence in Online Era" July'10
Deep Infotech, Lucknow

12

A Phenomenological Study of Students' Academic Learning based on Flip Learning Model for creating Happy Classrooms.

Dr Ritu Tripathi Chakravarty
Assistant Professor, Amity University Uttar Pradesh
rituchakravarty@gmail.com

Abstract

With the current pedagogical shift in teaching learning process due to global emergency caused by the COVID19 Pandemic, there has been tremendous experiments on ways to connect with the students. Various learning technologies were tried and tested. Out of many pedagogies Flip Classroom has showed some light in meeting the expectations of learners and making teachers to connect positively in the classroom. Flipped classroom is a pedagogical approach which means that activities that have traditionally taken place inside the classroom take place outside the classroom and vice versa. The aim of this paper is to collect and analysis the lived experiences of the teachers and students during the time of crisis caused by Corona virus. The data was analysis through the thematic codes collected by the researchers using focus group interviews. This study reveals interesting findings on students' academic learning, and teacher's ability to create Happy Classroom. This study suggests effective ways for implementation of Flip Learning model as an outcome-based pedagogy in the era of remote learning through online classes.

Key terms: Flip Learning, Students Academic Learning, Happiness, Crisis

Review on Automated Machine Learning and Its Applications

Sakshi Arora [1] and Dr. Ashutosh Pandey [2]

[1]*Student, Department of Mathematics, Chandigarh University*
[2] *Associate Professor, Department of Mathematics, Chandigarh University*

Abstract

Automated Machine Learning describes approaches and processes to make Machine Learning available for non-Machine Learning experts, to improve the efficiency of Machine Learning and to accelerate research on Machine Learning. The primary goal of this paper is to provide readers with a series of high-quality research articles that discusses automated machine learning applications and represent evolving developments in state-of-the-art algorithms. Here, are view of 7 articles/research papers is included. The main goal was to show the broad reach of Automated Machine Learning and its implementations in different fields.

Keywords: AutoML, IoT, Blockchain, SME, Artificial Neural Network, Convolution Neural Network, Biological Ecosystem Networks (BENs), Shannon entropy information measures, hyper-parameter optimization.

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Deep Infotech, Lucknow

13

The Impact of Emerging Technologies on Human Values: An Overview

Mr. Sanjay Saxena
Asst. Prof.
Amity School of Fashion Technology
Amity University, Lucknow
ssaxena3@amity.edu, 7905465651

Abstract:

History has shown the apparent role of technologies in building and destruction of great civilizations and its impact on global peace. There is universally no accepted definition of human values despite its importance to human race and society and its strategic impact on engineering, science, and advancement of human civilization. It may best be defined as feelings and convictions 'regarding what is of strong worth in our individual and collective actions, values inherited in society. It is proven that since long Ideologies, values and shared ethical and moral beliefs, which are the binding forces for communities. A perfect use of technology is one which improves human physical, mental, spiritual, and moral aspects. It helps and enhances people become healthier, more educated, more loving of God and neighbor, and better at making moral decisions. A bad technology will do the opposite: that is negative make us sicker, less educated, less loving of others, and worse at making moral decisions. Technology often simply makes actions easier - and we are inclined towards good technology that will facilitate good actions, not towards the bad technologies that will facilitate bad actions and create on negativities.

Key Words: role of technologies, moral decisions, great civilizations

Impact of Digital Media on New Generation Education: A Glance

Dr. Shikha Chantia
Asst. Professor I
Amity School of Fashion Technology
Amity University, Lucknow
schantia@lko.amity.edu
8004583841

Abstract:
With the inception and effect of Digital technology in education, we are witnessing a lot of innovative changes in teaching methodologies of educational schools these days. Educational faculty are improving their systems to enhance academic genre. Universities are using social media in the teaching-learning process to obtain new value for creating suitable learning among students. Social media implementation is giving new way to the development of the advanced educational system. Students are frequently exchanging thoughts and knowledge with each other on social media. On the other hand, scholars are offering online classes and collecting valuable information through social media. The contemporary interlinked world, the impact of social network on education is attracting a lot of attention. It is evolving as a powerful factor to gain a competitive advantage over peer institutions. Due to the growing influence of digital technology, the world is becoming flattered. It is altering the technique of conveying lessons. Social media influence is increasing day by day in education. It is becoming the new hope of obtaining knowledge for a student. It is changing their overall educational experience. With the introduction of digital media technologies, the delivery of educational programs has improved.

Key Words: role of technologies, moral decisions, great civilizations

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"Innovative Teaching Practices for Education Par Excellence in Online Era" July'10
Deep Infotech, Lucknow

14

Challenges of Online Learning in India

Ms. Shruti Srivastava*, Dr. Arun Bhadauria
[1]Research Scholar, Amity Business School, Amity University Lucknow Campus
[2] Assistant Professor-III, Amity Business School, Amity University Lucknow Campus
*email address :*shrutionmail07@gmail.com[1]*, abhadauria@amity.edu[2]

Abstract

The worldwide covid-19 outbreak, that moved to the severity of lockdown impacting severely educational institutes jeopardizing the academic calendar. Leaving behind their traditional learning methods, the education system compelled the educators to move to online mode immediately. In order to keep the academic activities going on most of the educational institutes shifted to online platforms. Changing their traditional didactic practice, this sudden change was difficult for the students to adopt. But had no choice for their academic continuity but to move on with online teaching and learning process. However, there are questions that has impacted the adaptability of online learning and challenges which have still not been clearly understood for a developing nation like India. The study focuses on various secondary data available online for understanding the perspective of Indian students their challenges, adaptability, technical issues, content delivered, flexibility, convenience, etc. This study also projects on the present-day situation and future prospects of the online learning outcomes in Indian perspective.
Key words: online learning, challenge, prospects, adaptability.

A Study on the Impact of Increasing Internet Usage in leisure activities on Indian Youth

Dr Hitesh Keserwani
Assistant Prof, Amity Business School, Amity University, Lucknow
E-mail: hiteshkeserwani@gmail.com

Abstract

Youth in India will continue to demonstrate different phases of internet use as they grow older and new technologies become available to them. A survey conducted by market researcher YouGov & mint (2018) reveals that more than half of urban youth spent at least four hours a week either being on social media or surfing the internet for leisure, excluding time spent for work-related purposes. In contrast, less than half of youth spent even an hour a week in outdoor sports or related activities. The survey suggests that online time exceeds time devoted to physical activity. The time spent on Internet use during leisure time can reflect the degree of Internet dependence. Internet use on engagement in leisure activities includes mental, social and physical activities, therefore heavy Internet users tend to be less in engaged in physical activities than non-Internet users, but mental and social leisure activities are not influenced significantly. Technology continues to influence the nature and diversity of economic, social, interpersonal, and leisure patterns of people. Both benefits and negative ramifications can be identified in our new technological world. The time spent between Internet use and leisure activities is a key factor for investigating the impact of Internet use on leisure activities, especially when considering the engagement or dependence on the Internet for leisure purposes. The study proposes a robust model to create a perfect balance between the time spent on Internet in leisure activities and physical activity.

Keywords: internet, youth, technology, physical activity.

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"Innovative Teaching Practices for Education Par Excellence in Online Era" July'10
Deep Infotech, Lucknow

15

Pros and cons of online education in India

Sweta Rai
Research Scholar
Amity University
chef.shweta.in@gmail.com

Abstract

In the Current Context of COVID-19 Social distancing, Non-physical Gathering, and Travel avoidance are becoming new normal. Due to these physical classroom learning is no longer applicable as it may lead the younger generation to be more exposed to the pandemic. So, learning through online classes, virtual gathering, conferencing and e-materials are playing the vital role in Indian Education System. Online Education have various advantages like teacher's efficiency, more student coverage, independent of time and location and supports various learning style. But it also has various disadvantages like health hazard of screen, Technological issues and teacher's technological exposure. Hence, this study examines the advantages and disadvantages of online education in Senior Secondary schools of Indian Education system. Information has been collected through surveys, interviews and from secondary data sources and analyzed through exploratory method. The studies found that there are various advantages and serious disadvantages of online education and Indian Education system shall have an standard policy and procedures to minimize the disadvantages and increase the extent of advantages of online education.

Online Education Effectiveness- Challenges and Opportunities

Sub-area: Academic Performance of Online Education: A case study of Chandigarh University

Sonia Dua,
Research Scholar, Department of Mathematics, Chandigarh University.

Abstract

This paper attempts to understand the academic performance of Chandigarh University by using Data Envelopment Analysis (DEA) methodology. The revolution in communication and education technology in the past has transformed the face-to-face teaching and learning to online education. The Covid-19 pandemic of last year has made online education a normal practice at all levels. To realize the objective of making education accessible to a large section of young population educational institutions in India have taken number of initiatives. With a population of 1.35 crores and limited resources, it is not an easy task. Online education has issues of technical infrastructure, trained human resource, technical support, internet, power supply, finances, outreach and assessment of academic performance. There is need to understand these issues in order to assess acceptance of online education. It is observed from the content analysis of literature and some studies that online education has brought new opportunities of expansion, development of e-content, skill development and improvement in quality. But there are challenges of infrastructure, trained human resource, learning material, technical support and maintenance, equipment, as well. To harness opportunities and meet challenges, it is very important to understand academic performance of institutions for taking timely corrective actions. This study will investigate academic performance of Chandigarh University based on inputs and out comes in various domains and evaluate the strength of teaching and research activities.

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"Innovative Teaching Practices for Education Par Excellence in Online Era" July'10
Deep Infotech, Lucknow

16

LEVELS OF ANXIETY AND JOB SATISFACTION AMONG TEACHING AND NON-TEACHING STAFF

Vishal Ram[1] and Dr. Shivali Sharma[2]
[1]vishalsrm1@gmail.com (+91) 9920525513
[2]Assistant Professor – II, Amity University Uttar Pradesh, Lucknow, 226010
ssharma2@lko.amity.edu (+91) 9984138370

Abstract

Job Satisfaction refers to a person's feeling of satisfaction on the job, which acts as a motivation to work whereas anxiety refers to an emotion characterized by feelings of tension, worried thoughts, and physical changes. The purpose of this study is to compare the levels of Anxiety and Job Satisfaction among teaching and non-teaching staff in university premise.80 participants of age group 23-42 years of age working in reputed private university were selected for the study. The tools used in this research were DASS21- Depression Anxiety Stress Scale (Syd Lovibond and Peter Lovibond) which is the short version consisting of 21 questions and MSQ- Minnesota Satisfaction questionnaire short version (Weiss et al.) The results indicated that there was no significant difference between the mean anxiety scores of Teaching staff and non-teaching staff as well as mean job satisfaction scores of Teaching staff and non-Teaching staff.

Key words: Levels of Anxiety, Job Satisfaction, Teaching Staff, Non-Teaching Staff

Chaos: The Deteriorating Mental Health of Students during Pandemic

Dr. Sunita Balani
Faculty, Amity Business School
Amity University Uttar Pradesh, Lucknow

Abstract

While Covid-19 pandemic has hit the world alike, its impact on students from different backgrounds and age groups is unequal. With the advent of total lockdown, classes were shifted on virtual platforms, as cool as it sounds at first, it is all the more heart-wrenching. Initially, the teachers and the students had that zeal but with the monotonous routine, they lost it all. For some time, students had been facing trouble shifting back to offline education mode, but now as the number of Covid cases are on the rise again, they are back to the online mode. According to experts, the online mode of education can have a long-lasting impact on the students' health. It is high time now that we acknowledge it and act upon it. We are social animals, and we just can't live in isolation depending on technology. But the times are so desperate that we cannot even stand for our loved ones even if we want to. And amidst this chaos, online teachings don't stop. Keeping in line with such an analysis, the study explores the status of mental health of undergraduate students. In this regard, we analyzed students' perception regarding online learning, their capacity to assimilate information, and the use of E-learning platforms. The results of the research revealed that higher education institutions were not prepared for exclusively online learning. Thus, the advantages of online learning identified in other studies seem to diminish in value.

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"Innovative Teaching Practices for Education Par Excellence in Online Era" July'10
Deep Infotech, Lucknow

17

Covid 19 and its implication on Teaching & Learning Interface

[1]*Supriya Srivastava Dr.* [2]*Himanshu Rastogi*
[1]*Research Scholar, Amity Business School, Amity University, Lucknow.*
Email:supriya.may23@gmail.com. Contact :8005180600
[2]*Associate Professor, Amity Business School, Amity University, Lucknow.*
Email:hrastogi@lko.amity.edu

Abstract

The Covid 19 Pandemic has shifted the Paradigm of Education system completely in past one and a half year. During these times when at one place the online education system has proved to be the boon for the globe at the same time on the other hand it has changed all the components of teaching and learning in higher education. Many empirical studies have been conducted to examine issues in delivering online courses; however, few have synthesized prior studies and provided an overview on issues in online courses. A review of literature was conducted to identify such issues. This review of literature was compared with the current system practically in function due to Covid 19 pandemic since March 2020.Three major categories of findings were identified: issues related to online learners, instructors, and content development. Learners' issues included learners' expectations, readiness, identity, and participation in online courses. Instructors' issues included changing faculty roles, transitioning from face-to-face to online, time management, and teaching styles. Content issues included the role of instructors in content development, integration of multimedia in content, role of instructional strategies in content development, and considerations for content development.

Keywords: Online Education, distance Learning, learning strategies, postsecondary education, pedagogical issues, human–computer interface

Control functions (ψ, ϕ) and a fixed point result in partially ordered b-metric spaces

Amit Sharma[1], Aashutosh Pandey[2], Kamal Kumar[1], Naveen Mani[2*]

[1] Department of Mathematics, Amity University Haryana, India
[2] Department of Mathematics, Chandigarh University, Mohali, Punjab, India

E-mail address of Presenter for Correspondence: naveenmani81@gmail.com

Abstract

In present work, first we define an ordered b - complete metric space, and will try to demonstrate the same with suitable examples. Later, a fixed point result in an ordered complete b - metric space is proved using control functions (ψ, ϕ). Our main result, improves and unify several existing results of literature.

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"Innovative Teaching Practices for Education Par Excellence in Online Era" July'10
Deep Infotech, Lucknow

18

AN ANALYSIS OF IT INFRASTRUCTURE AND ONLINE EDUCATION IN INDIA

Dr. Nimish Gupta
Associate Professor
Amity University, Lucknow.

Abstract

Online education is becoming a part of our everyday lives now. The students are developing their comfort around it along with teachers who have also made enough efforts to ease their way through it. The educational institutions have been prompted to opt for online education in order to avoid educational and learning loss for children. Although, due to the outbreak of COVID-19, the world had witnessed a massive shift from the traditional Face to Face (F2F) to online platform as a mode of delivery of classes. Due to lack of proper infrastructure, a shift to a total reliance on the online platform for the delivery of lectures has shown aa variety of issues. According to a report of the survey with over 7600 respondents found that in order to use internet at home, 72.60% of the respondents use mobile hotspot, 15% use home broadband, 9.68% use Wi-Fi dongle and 1.85 pc have poor to no internet connectivity. The survey pointed out that the infrastructure in terms of technology in India has not achieved a state of quality so as to ensure sound delivery of online classes to students across the country. It is seen that both the state and the private players have not yet managed to overcome technical challenges, for instance, in providing adequate power supply and ensuring effective connectivity as the data reveals. The data also revealed that amongst the respondents who used home broadband, over 3% faced cable cuts, 53% faced poor connectivity, 11.47% faced power issues and 32% faced signal issues. When it came to mobile hotspot, 40.18% faced poor connectivity, 3.19% faced power issues and 56.63% faced signal issues. Our education system was never very efficient even in the best of times. The COVID-19 pandemic has rendered it extremely biased and faulty. The main thrust of providing learning opportunities while schools are shut is online teaching. There are several sets of guidelines and plans issues by the government, the National Council of Educational Research and Training (NCERT) and the Central Board of Secondary Education (CBSE) for this purpose. The Internet space is teeming with learning schemes, teaching videos, sites and portals for learning opportunities. The content of all government sites and schemes is primarily the NCERT-issued Alternative Academic Calendar, videos of teaching, digital editions of textbooks, and links to other such material. With this background, the present paper purports to highlight the existing infrastructure helped students to undergo online teaching. Paper will also try to deliberate upon major challenges being faced by the teaching paternity and will provide few suggestions to overcome the issues.

Keywords: IT Infrastructure, Internet connectivity, NCERT, CBSE

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"Innovative Teaching Practices for Education Par Excellence in Online Era" July'10
Deep Infotech, Lucknow

19

COVID-19: A PROMOTOR OF ONLINE EDUCATION SYSTEM – AN ANALYSIS FROM INDIAN PERSPECTIVE

Dr Himanshu Rastogi
Associate Professor
Amity Business School, Amity University – Uttar Pradesh, Lucknow Campus.
Email: hrastogi@lko.amity.edu

Abstract:

With the outbreak of COVID -19 the entire world came under the shadow of fear and almost all economic activities came to stand still. Education sector was no exception to it and around 32 crore learners stopped to move schools/colleges and all educational activities halted in India. In this grim situation the only ray of hope has been to adapt new ways which are governed more by information technology and systems. The education sector within no time responded well and shifted from physical mode to online mode of imparting education at all levels starting from primary to university level education. The teacher and students both rose to the occasion. Many online education portals like Udemy, Khan Academy, Coursera, SWYAM, Swam Prabha and meeting sites such as Microsoft Teams, Hangout, Google Meet, Webex to mention a few provided the much-needed platform to transform to online mode of education system. The paper tries to analyse the pros and cons of dissemination and sharing of knowledge through online mode and what are the real challenges that have been faced by students and teachers. The paper is based on primary survey done in the city of Lucknow and derives information from secondary sourced extracted from newspapers, journals and online authentic information available on internet. The paper concludes with providing suggestions that can make online education more effective as in the given circumstances the future lies on online mode of education.

Keywords: COVID-19, Online Education, Education Portals, Meeting Sites.

Challenges of online teaching during locked down due to pandemic COVID 19 in India and the constructive tactics for the teachers to overcome from the work pressure.

Shikha Verma, Dr. Mitima Sachdeva, Dr. Amita Bajpai
Amity Institute of Education, Amity University, Uttar Pradesh, Lucknow Campus

Abstract

In March 2020, COVID-19 was declared a pandemic by World Health Organization. In India, a nationwide lockdown was announced from March 25, 2020, considering it as the safest way to break the chain of this disease. Only essential services were allowed. An online survey was conducted in November 2020-January 2021 while schools were closed. Questions were framed to know the opinions of the teachers on different aspects related to online teaching on the basis of their experiences. At the end of the questionnaire, the teachers were supposed to give their feedback/suggestions to improve online teaching in India. During an effective online class, a teacher tries to facilitate, connect, lead and work in collaboration with students to ensure their interest, participation and their improvement over a period of time. Existing study offers effective teaching strategies for online education keeping the context of our country in consideration. Teachers need to be more competent in their roles and skills necessary to increase the students' achievements. This study aims to identify the work pressure in teachers by facing challenges of online teaching during lockdown in India and to help them coping with the work pressure by ways to reduce the pressure of work constructively.

Keywords: COVID-19, Teachers, Lockdown, Work Pressure, Online

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Deep Infotech, Lucknow

20

" Online Learning and the Mental Health of Students and Teachers"

Dr Sandhya Bhatt, Asst Professor,
Amity Institute of Behavioral and Allied Sciences, Amity University Lucknow
email id: sbhatt@lko.amity.edu

Abstract

From the time the whole world fell prey to covid -19, the conventional form of education, happening in the walls of the classroom have shifted to the online platform. The classes starting from the primary level to the higher education, are being conducted in an online mode, making room for virtual form of communication. The schools and colleges immediately moved to the virtual classes, ensuring both the safety of their teachers and students and also, at the same time, not letting the current pandemic adversely impact or disrupt the ongoing studies. Though the online classes, facilitated in the timely completion of the syllabus, it also unfortunately, adversely affected the mental health of many, including the children's, teenagers, young adults, teachers and the elderly. According to the different studies and research done, the online learning resulted into different levels of anxiety and fear among many students. Also, not many are fortunate to have access to an excellent internet services and technology, to keep pace with the online teaching. Many students even reported experiencing fatigue and lack of motivation for the online classes. Even the teaching professionals have reported, missing the connect with the students in the virtual classes, with online classes becoming just a medium of one -way communication, with very little response from the students. This paper intends to generate awareness about the various issues faced by the students and teachers, in the online mode of learning. The observations are based on the extensive review of literature on the related subject. Also, attempt has been made to include the expert opinion, on the mental health issues among the children, young adults, and teachers. The paper gives an insight on the importance of mental health, and how it could affect our overall well-being and behavior.

Keywords: online learning, students, teachers, mental health