



“येथे बहुतांचे हित”

MARATHWADA MITRA MANDAL'S COLLEGE OF COMMERCE

Affiliated to Savitribai Phule Pune University, Re-Accredited by NAAC with “A” Grade
ISO 9001:2015 Certified, Awarded as Best College by Savitribai Phule Pune University
202 A, Deccan Gymkhana, Pune – 411004

principal@mmcc.edu.in, enquiry@mmcc.edu.in,
www.mmcc.edu.in

Research Paper for the Academic year 2019-2020

Sr. No.	Name of the Author/s	Title of the paper	Link to the website of the Journal
1	Asst. Prof. Gurmeet Kaur Rajpal	“A study of the challenges in remote working for teachers in B.Com colleges in Pune City”	https://www.researchgate.net/publication/373238047_Rabindra_Bharati_Journal_of_Philosophy
2	Asst. Prof. Dr. Swapna Salil Kolhatkar	Blockchain Technology in the Education Sector: A Review	https://www.ourheritagejournal.com/index.php/oh/article/view/5316
3	Asst. Prof. Nidhi Satavlekar	Blockchain Technology in the Education Sector: A Review	https://www.ourheritagejournal.com/index.php/oh/article/view/5316



RABINDRA BHARATI
JOURNAL OF PHILOSOPHY

UGC CARE Group I Journal
ISSN No: 09730087

CERTIFICATE OF PUBLICATION

This is to certify that the article entitled

A STUDY OF CHALLENGES IN REMOTE WORKING FOR FACULTY IN COMMERCE COLLEGES IN PUNE CITY

Authored By

Ms. Lazree Sudhir Gokhale

Research Scholar, Tilak Maharashtra Vidyapeeth, Pune.

Published in

Department of Philosophy: Rabindra Bharati University

ISSN : 0973-0087

Vol. : XXIII, No:33, 2022 with IF: 6.986

UGC CARE Approved, Peer Reviewed and Referred Journal



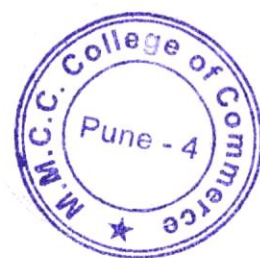
ज्ञान-विज्ञान विमुक्तये
UGC
University Grants Commission



Editor
Sarban Banerjee
Head, Dept. of Philosophy

Journal Details

Journal Title (in English Language)	<u>Rabindra Bharati Journal of Philosophy (print only) (Current</u>
Journal Title (in Regional Language)	Rabindra Bharati Journal of Philosophy (print only)
Publication Language	English , Bengali
Publisher	Rabindra Bharati University
ISSN	0973-0087
E-ISSN	NA
Discipline	Arts and Humanities
Subject	Arts and Humanities (all)
Focus Subject	Philosophy
UGC-CARE coverage years	from June-2019 to Present



“A study of the challenges in remote working for teachers in commerce colleges in Pune city.”

Name of the Author: Ms. Lazree Sudhir Gokhale

Research Scholar: Tilak Maharashtra Vidyapeeth

Abstract: *Teaching has been a challenging job since its inception. The art of honing young minds in terms of knowledge and values requires dedication and commitment towards one's job. Combine this with the need for the teacher to match pace with the changing world and the challenges become manifold. Such a turnabout in the existing teaching pedagogies has been posing a problem to the effectiveness of teachers and the satisfaction of the students. This research paper aims to highlight the major areas that have been posing as a problem to the teachers. Also it is worth noting that some of these challenges are specific to developing countries. Therefore the researcher has attempted to understand how the transition from physical classroom to virtual learning has affect the content- deliverer especially with regards to his/ her effectiveness prima facie due to the challenges posed by his/ her operating environment.*

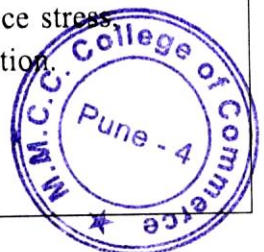
Key Words: Remote working, teachers, challenges, commerce colleges

Introduction:

Online education has already caught momentum within the last two decades in the developed economies, and most higher education institutions believed that this method of instruction would be critical for the future of higher education. (B. Mastel-Smith; J.Post; and P. Lake, 2015) In developing nations too education has seen the online path albeit with more focus on synchronous learning than asynchronous learning tools. With the onslaught of the pandemic COVID -19 the rigid outlook regarding the traditional approach of chalk and talk has certainly seen a 360-degree turnaround during the last one year, causing the teaching fraternity to experience a wide array of ups and downs in meeting the challenges posed in front of them by the pandemic. Not only have the teachers been compelled to enhance their technical knowhow by leaps and bounds; what is more is that their absolute feeling of job satisfaction is challenged.

The teaching fraternity had so far merely switched from the usage of a traditional black board to the more techno savvy audio visual tools of teaching while the method of content delivery remained more or less the same. Teachers were known to accommodate the seasonal variation from the classroom environment in the form of field visits and internships with aplomb and ease but a complete turnaround was something that they were unprepared for. (E. Allen and J. Seaman, 2013)

With classroom teaching coming to an absolute standstill; and there has been complete reliance on online content delivery using various digital platforms across age groups to which the higher education is not an exception. However, this sudden and prolonged change in the working conditions has been seen to rub off on teachers causing them to experience stress, uncertainty and an overall decline in their productivity culminating in job dissatisfaction.





Anjuman Khairul Islam's
**POONA COLLEGE
OF ARTS, SCIENCE & COMMERCE**

Camp, Pune - 411001



Golden Jubilee Year Celebration

**International Conference on
"Innovative Development in Commerce,
Management, Economics, Banking, Humanities
(Social Sciences), IT and Environment"**

7th and 8th February 2020

Organised by
**Department of Commerce,
Postgraduate & Research Centre**

CERTIFICATE

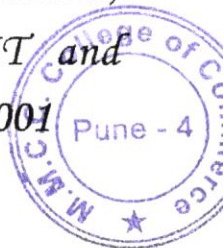
This is certify that Dr. Swapna S Kolhatkar
of Asst. Prof., MMCC
has actively presented a paper entitle
Blockchain Technology in Education Sector : A Review

*in the International Conference on "Innovative Development in Commerce,
Management, Economics, Banking, Humanities (Social Sciences), IT and
Environment" on 7th & 8th February 2020 at Poona College, Camp, Pune-411001*

Ms. Wafiya Wadasadawala
Conference Coordinator

Ms. Nasrin P. Khan
Head, Department of Commerce
& Conference Secretary

Dr. Aftab Anwar Shaikh
Principal & Conference Chairman

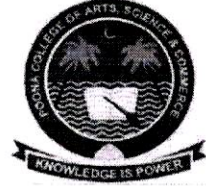




OUR HERITAGE

ISSN: 0474-9030 Vol-68, Special Issue-24

International Conference on "Innovative Development in Commerce, Management, Economics, Banking, Humanities (Social Sciences), IT and Environment" Organised by: AKI's Poona College of Arts, Science & Commerce, Department of Commerce, Postgraduate & Research Centre Venue: Conference Hall, Poona College Held on 7 th and 8 th February 2020



Blockchain Technology in Education Sector: A Review

Dr. Swapna S Kolhatkar

Asst. Prof., MMCC

swapna.kolhatkar@gmail.com

Prof. Nidhi P Satavlekar

Asst. Prof., MMCC

nsat75@gmail.com

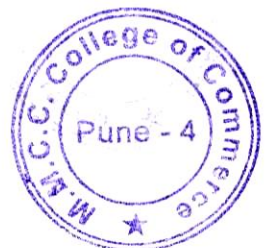
Abstract

The use of blockchain technology implemented through the chain of digital signatures, has seen many advantages in authenticating transactions and documents or certificates. Its use has increased in various sectors and in the future, the technology will be instrumental in providing cost effective and efficient solutions to the IT industry. The education sector has also shown tremendous growth and changes in the IT implemented system. The use of software in education is not new and the demand for various IT solutions continues to grow. This demand has facilitated the use of blockchain technology in the education system for its benefits.

This paper is organized into four sections and attempts to understand the relevance and scope of blockchain technology in the education sector and identify the work carried out till date for the implementation of blockchain in various sectors. The second section, comparative of review, presented in a tabular format presents the name of technology and its use in the respective sector. The third section lists the various areas in the Indian education sector for the implementation of this technology followed by conclusions and future work suggestions.

Introduction

Satoshi Nakamoto, in his original Bitcoin white paper, defined an electronic coin - the Bitcoin - as "a chain of digital signatures" called blockchain. His work mentions that blockchain is basically a chain of blocks that keep the data on computers of a participating network so as to address the issue of genuine transactions and genuine identity. A blockchain is basically a database for recording transactions that are copied to every other computer in a participating network and data is stored in fixed structures called 'blocks', also referred to as a 'distributed ledger'. The network participants are computers or nodes where the ledger is



See discussions, stats, and author profiles for this publication at: <https://www.researchgate.net/publication/360106383>

Blockchain Technology in Education Sector: A Review

Conference Paper · February 2020

CITATIONS

0

READS

22

2 authors:



Swapna Kolhatkar
Marathwada Mitra Mandal's College of Commerce

9 PUBLICATIONS 6 CITATIONS

[SEE PROFILE](#)



Nidhi Satavlekar
Marathwada Mitra Mandal College of Commerce

1 PUBLICATION 0 CITATIONS

[SEE PROFILE](#)



All content following this page was uploaded by Swapna Kolhatkar on 22 April 2022.

The user has requested enhancement of the downloaded file.



OUR HERITAGE

ISSN: 0474-9030 Vol-68, Special Issue-24

International Conference on "Innovative Development in Commerce, Management, Economics, Banking, Humanities (Social Sciences), IT and Environment" Organised by: AKI's Poona College of Arts, Science & Commerce, Department of Commerce, Postgraduate & Research Centre Venue: Conference Hall, Poona College Held on 7 th and 8 th February 2020



Blockchain Technology in Education Sector: A Review

Dr. Swapna S Kolhatkar

Asst. Prof., MMCC

swapna.kolhatkar@gmail.com

Prof. Nidhi P Satavlekar

Asst. Prof., MMCC

nsat75@gmail.com

Abstract

The use of blockchain technology implemented through the chain of digital signatures, has seen many advantages in authenticating transactions and documents or certificates. Its use has increased in various sectors and in the future, the technology will be instrumental in providing cost effective and efficient solutions to the IT industry. The education sector has also shown tremendous growth and changes in the IT implemented system. The use of software in education is not new and the demand for various IT solutions continues to grow. This demand has facilitated the use of blockchain technology in the education system for its benefits.

This paper is organized into four sections and attempts to understand the relevance and scope of blockchain technology in the education sector and identify the work carried out till date for the implementation of blockchain in various sectors. The second section, comparative of review, presented in a tabular format presents the name of technology and its use in the respective sector. The third section lists the various areas in the Indian education sector for the implementation of this technology followed by conclusions and future work suggestions.

Introduction

Satoshi Nakamoto, in his original Bitcoin white paper, defined an electronic coin - the Bitcoin - as "a chain of digital signatures" called blockchain. His work mentions that blockchain is basically a chain of blocks that keep the data on computers of a participating network so as to address the issue of genuine transactions and genuine identity. A blockchain is basically a database for recording transactions that are copied to every other computer in a participating network and data is stored in fixed structures called 'blocks', also referred to as a 'distributed ledger'. The network participants are computers or nodes where the ledger is

