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1	2020-2021	2



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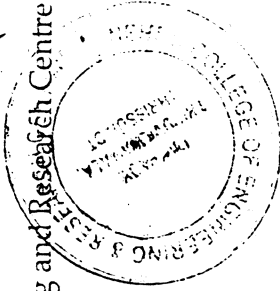
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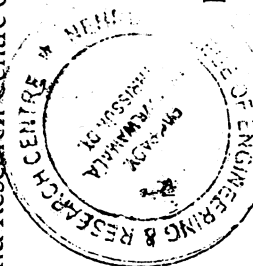
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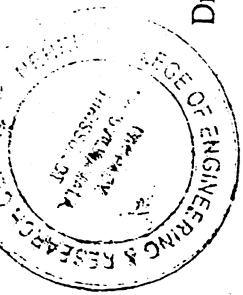
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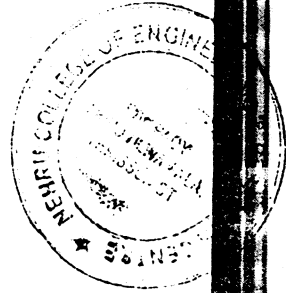
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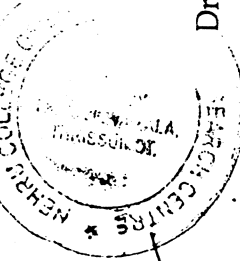
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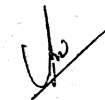
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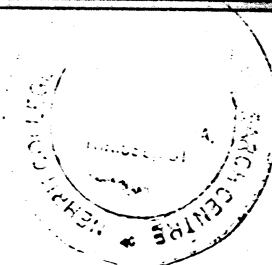
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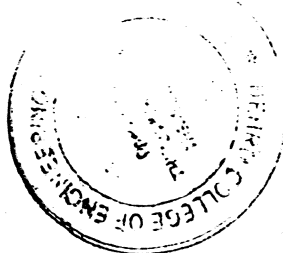
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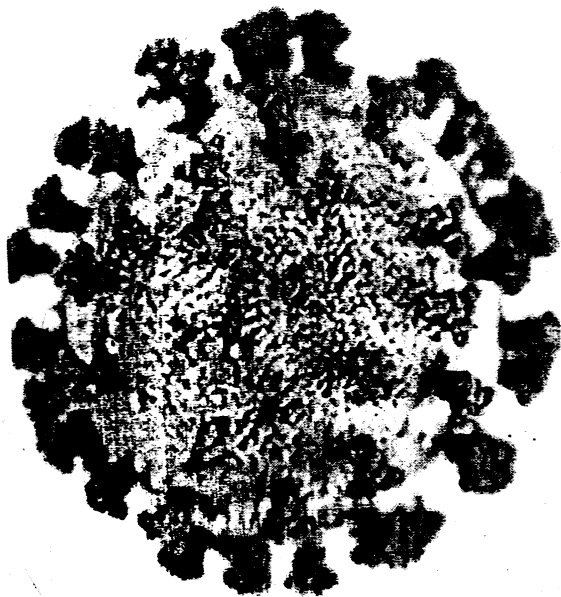
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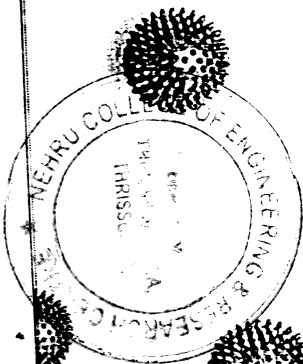



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The COVID Divide-Behavioural, Social & Economic Impacts

Editors:

Dr. K J James, Mr. K S Praveenkumar

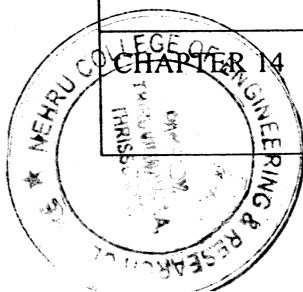



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CHAPTER 8

NEW-MEDIA NEEDS TO BEHAVE MORE ETHICAL., LESSONS FROM COVID19 INFORMATION EXPLOSION

Dr. Sudheer Marar

Professor and HOD, PG Department of Computer Applications
Nehru College of Engineering and Research Centre,
Thiruvilwamala Kerala



INTRODUCTION

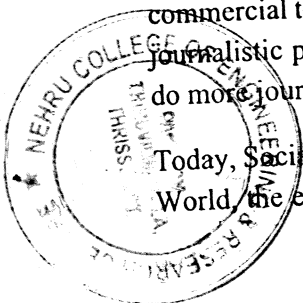
New-Media are maturing, and it is increasingly evident that they apply great influence on traditional journalism as we find it in newspapers, radio and television programmes. Journalism is undergoing its most fundamental transformation, thanks to ubiquitous news, global information access, instantaneous reporting, interactivity, multimedia content, and extreme customization. The dynamic and fluid nature of new media and its many indefinable parts has kept authorities hopping since its inception. There are a range of explanations and hypothesis, but there is a lack of one specific definition. New media can be defined by means of its Technology (interactivity, digitalization, convergence); Services (delivery of information, entertainment, political participation, education, commerce); and Format (hybridity, hypertextuality, multimedia)

Data Delivery made Spontaneous, Straight and Suitable

Never before in human history has it been possible to communicate so quickly during a pandemic, New-media platforms have been a key piece for the dissemination of information; however, there are multiple advantages and disadvantages that must be considered. Responsible use of these tools can help quickly disseminate important new information, relevant new scientific findings, share diagnostic, and treatment protocols, as well as compare different approaches globally, removing geographic boundaries for the first time in the history.

The 'democratization' of media – technology that allows citizens to engage in journalism and publication of many kinds – blurs the identity of journalists and the idea of what constitutes journalism. New media encourages people to express their opinion and share their thoughts candidly. This has given way for novel concept like Citizen Journalism, and witnessing some kind of all-inclusive media metamorphosis like never before. Not only has its digital phase made information dissemination faster and more efficient, New Media has also fundamentally altered the direction of this information flow. In this context, we must ask certain tough questions: Have New Media technologies revitalized the public sphere, or merely made some commercial tools for an increasingly un-public, undemocratic news media? Are these changing journalistic practices damaging the nature of news, or are New Media allowing journalists to do more journalism and to engage the public more effectively?

Today, Social media platforms are amongst the most widely used sources of information in the World, the easy and inexpensive access to the internet and a large number of registered users



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"The Covid Divide:"

Behavioural, Social and Economic Impacts

About the book

The novel Corona virus has been playing its havoc in the life of the humans all over the world in the form of massacre or the total deterioration of the health condition of the individuals. Millions of people once affected with the fatal disease and those who survived, and the remaining population un-affected so far in all nations are even now vulnerable to the virus. So that, fighting the virus through vaccination has become the policy and actions of all the governments and societies for some more years. There are controls in the behavioural, social, economic, technological and educational walks of life of the people, which has resulted in adaptation to the situation.

Against this background an enquiry has been made by certain number of writers to trace out the impact of Covid for the last 18 months in 2020 - 2021, during which the world was squeezed into a rut. The writers are researchers, research scholars, educators and post-graduate students from different universities/institutes in India and abroad, who look into the issues critically. This collection of articles would be inquisitive and interesting to policy makers, government officials, teachers, students and the general public, in their search for the impact of Covid over the world population.

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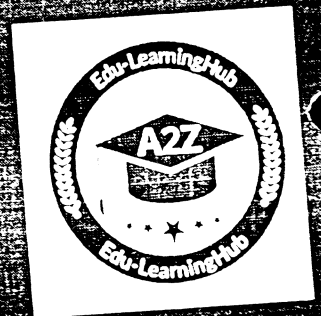
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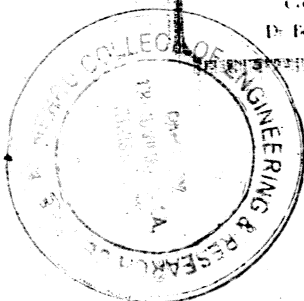
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IJSRST Team wishes all the best for bright future



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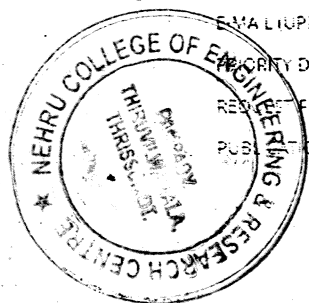


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TITLE OF INVENTION	SMART WIRELESS CHARGING SYSTEM FOR INTERNET OF THINGS (IOT) DEVICES IN HOME AUTOMATION & METHOD THEREOF
FIELD OF INVENTION	COMMUNICATION
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Role of Socio-Informatics Participation in the COVID-19 Study: Highlighting Healthcare Arenas to Benefit from Information and Communication Technology

Dr. Sudheer Mazar¹, Pramod K², Ashish L³

¹Associate Professor and HOD, Department of MCA, Nehru College of Engineering and Research Centre, Kerala, India

²Senior Assistant Professor, Department of MCA, Nehru College of Engineering and Research Centre, Kerala, India

³Assistant Professor, Department of MCA, Nehru College of Engineering and Research Centre, Kerala, India

ABSTRACT

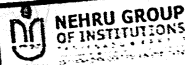
The coronavirus 2019 (COVID-19) epidemic has had a profound impact on human health and well-being. Biomedical informatics is important in the efforts of the COVID-19 study and the delivery of health care to COVID-19 patients. Central to this effort is the participation of students who are actively engaged in other scientific or clinical issues. The purpose of this study is to highlight specific examples of COVID-19 research spots that can benefit from information technology. We present here two related approaches focusing informatics applications health care concealment. The first focuses on the use of Smart devices and related technologies on educating and monitoring, and the second focuses on the use of sensors in the domain. Few tools have been used to monitor patients and the community found to be helpful in creating information that provides acumen into the dominance of sickness and fitness needs. Digital tools have the power to connect people and to form active support groups. There exists need for tools that can include video conferencing, seamless communication, and more sophisticated functionalities such as virtual reality and augmented reality, designed for diverse audiences with the aim of promoting social interaction meanwhile maintaining physical distances. Modelling COVID-19 cases accumulated daily in regional variations illuminate the comparative effectiveness of different policy decisions and may point to countries like India, through policies that have succeeded in reducing the spread of epidemic. Rather than proposing any solid findings, it is our hope that this slice drives to inspire and make it easier for other gurus to embrace the COVID-19 research projects leveraging socio informatics on the base.

Keywords: COVID-19, Epidemic, ICT, Informatics, New-Media, Sensors, Smart Devices

1. INTRODUCTION

The coronavirus 2019 (COVID-19) epidemic has had a profound impact on human health and well-being.

Research efforts are underway to identify vaccines [1], to improve testing [2, 3], to understand transmission [4], to improve serologic testing [5], to improve treatment methods [6], to predict risk [7], and to



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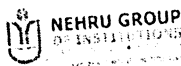
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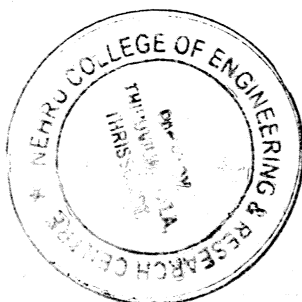
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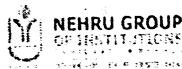
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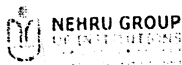
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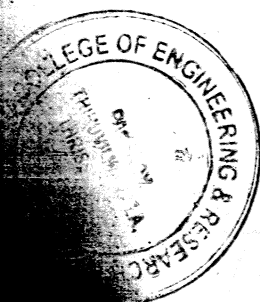
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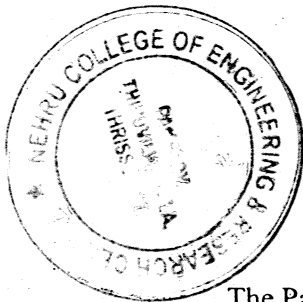
**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 21/2021
ISSUE NO. 21/2021

शुक्रवार
FRIDAY

दिनांक: 21/05/2021
DATE: 21/05/2021

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PUBLICATION OF THE PATENT OFFICE



The Patent Office Journal No. 21/2021 Dated: 21/05/2021

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Pin - 680 597 Kerala

Head of the Department
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②



Acceptance of Book Chapter Proposal in the book titled "Computational Intelligence in Image and Video Processing" X

Inbox X

PAVP RAIT - pavp.raita@raita.ac.in

Wed, Jun 23, 11:44 AM



Dear Author(s),

I hope this mail finds you in good health during this pandemic outbreak of Coronavirus.

Thank you for submitting Chapter Proposal for inclusion in the book titled "Computational Intelligence in Image and Video Processing" to be published by CRC Press, Incis Group

After initial review process, the editors of this book provisionally accept your proposal subject to submission of a full chapter as per the Publisher guidelines and acceptance of chapter by reviewers through a double-blind review. It is mandatory to include code snippet along with the full chapter.

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Instructions for preparing the book chapter

1. Each Chapter Should have:
 - Title (16 pt Times New Roman font and Bold)
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 - Tables, if available (should have label above the table)
 - Figures, if available (should have label below the figure)
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1. The chapter should be prepared using 12-point Times New Roman font, 1 spacing with 1" margins on all sides. The length of the chapter should not exceed 15 windows
2. Full chapter will be accepted in word/Latex PDF with the prescribed setting only.
- 3.

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application : 11/05/2021

(21) Application No. 202111021342 A

(43) Publication Date : 21/05/2021

(54) Title of the invention : SMART WIRELESS CHARGING SYSTEM FOR INTERNET OF THINGS (IOT) DEVICES IN HOME AUTOMATION & METHOD THEREOF

(51) International classification

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H04W0004800000

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:NA

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(62) Divisional to Application Number

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Filing Date

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(71) Name of Applicant :

1) Ningthoujam Chidananda Singh

Address of Applicant : Research Scholar, Department of Computer Application, Mewar University, Gangrar, Chittorgarh, Rajasthan, India Rajasthan India

2) Mohammed Azam

3) Shubham Joshi

4) Dr. Anupam Kumari

5) Dr. Sudheer S Marar

6) Dr. Sahil Vashisht

7) Dr. Nancy Arya

8) Dr. Vineet Dahiya

9) Ms. Minakshi Katoch

10) Ms. Charu Singh

11) Dr. Monika

(72) Name of Inventor :

1) Ningthoujam Chidananda Singh

2) Mohammed Azam

3) Shubham Joshi

4) Dr. Anupam Kumari

5) Dr. Sudheer S Marar

6) Dr. Sahil Vashisht

7) Dr. Nancy Arya

8) Dr. Vineet Dahiya

9) Ms. Minakshi Katoch

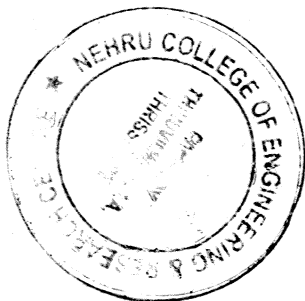
10) Ms. Charu Singh

11) Dr. Monika

(57) Abstract :

The present invention relates to smart wireless charging system for the Internet of things (IoT) devices in home automation & method thereof. The objective of the present invention is to solve the problems in the prior art technologies of energy management of internet of things (IoT) devices in home automation.

No. of Pages : 30 No. of Claims : 2



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Head of the Department
Department of Computer Application
NCERC, Thiruvilwamala, 680588



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Ministry of Commerce & Industry,
Government of India



Application Details

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DATE OF FILING 11/05/2021

APPLICANT NAME

1. Ningthoujam Chidananda Singh
2. Mohammed Azam
3. Shubham Joshi
4. Dr. Anupam Kumari
5. Dr. Sudheer S Marar
6. Dr. Sahil Vashisht
7. Dr. Nancy Arya
8. Dr. Vineet Dahiya
9. Ms. Minakshi Katohi
10. Ms. Charu Singh
11. Dr. Monika

TITLE OF INVENTION

SMART WIRELESS CHARGING SYSTEM FOR INTERNET OF THINGS (IOT) DEVICES IN HOME AUTOMATION & METHOD THEREOF

FIELD OF INVENTION

COMMUNICATION

E-MAIL (As Per Record)

1990uditmamooiya@gmail.com

ADDITIONAL E-MAIL (As Per Record)

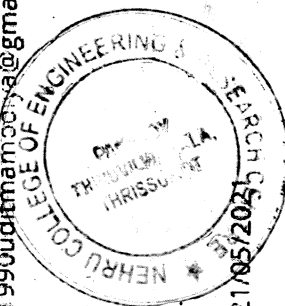
1990uditmamooiya@gmail.com

MAIL (UPDATED Online)

PRIORITY DATE

REQUEST FOR EXAMINATION DATE

PUBLICATION DATE (U/S 11A)



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Panipady Thiruvananthapuram, Thiruvananthapuram
Pin 680 597 Kerala

Head of the Department
Department of Computer Applications
Institute of Technology
680 597

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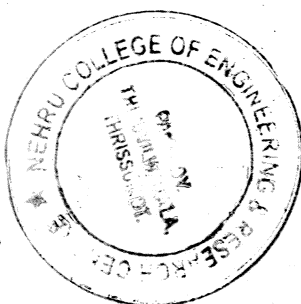
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Department of Industrial Policy & Promotion
Ministry of Commerce & Industry
Government of India



INDIA

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APPLICATION TYPE: ORDINARY APPLICATION
DATE OF FILING: 11/05/2021
INVENTOR NAME:
1. Ningthoujam Chidananda Singh
2. Mohammed Azam
3. Shubham Joshi
4. Dr. Anupam Kumar
5. Dr. Susheer S Marar
TITLE OF INVENTION: SMART WIRELESS CHARGING SYSTEM FOR INTERNET OF THINGS (IoT) DEVICES
FIELD OF INVENTION: AUTOMATION, ELECTRONICS & COMMUNICATION
E-MAIL (A) Per Record: 99000111021342@ipindia.gov.in
ADDITIONAL E-MAIL (A) Per Record: 99000111021342@ipindia.gov.in
E-MAIL (UPDATED ONLY):
PRIORITY DATE:
REQUEST FOR EXAMINATION DATE:
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NEHRU COLLEGE OF

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PANIPADY, THIRUVILWAMALA, THIRUVRITHUR DISTRICT, KERALA - 680 597

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Dear Sir/ Madam ,

Congratulations

We are pleased to inform you that the Australian Innovation Patent Application of the invention is filed.

Patent Application No. is 2021104883.

Title of the invention :

INTERNET OF THINGS BASED INTELLIGENT SYSTEM FOR PROVIDING ONLINE STORE FOR SHARE AND SALE OF VIRTUAL OBJECTS BASED ON CLOUD COMPUTING

Date of File:

3rd Day of August 2021

Name of Patent Applicants & Inventors :

Dr. Narayana Swamy Ramaiah,

Dr. Reshma V.K,

Dr.Vineetha K R,

Dr. T.Venkat Narayana Rao,

Dr. Sonal Sharma,

Dr.Sarika Nitin Zaware,

Ishani Vajpai,

Dr. V Nagajothi,

Dr. Archana Panhalkar,

Dr. Rajkumar Bhosale,


Dr. Meenu Chopra,


Cosmena Mahapatra,

Dr. Muthukumar Subramanian

Thank you



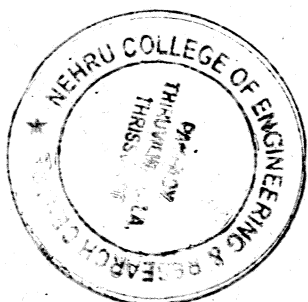

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**INTERNET OF THINGS BASED INTELLIGENT
SYSTEM FOR PROVIDING ONLINE STORE
FOR SHARE AND SALE OF VIRTUAL OBJECTS
BASED ON CLOUD COMPUTING**

ABSTRACT

The present invention is related to internet of things based intelligent system for providing online store for share and sale of virtual objects based on cloud computing. The objective of present invention is to solve the abnormalities presented in the prior art techniques related to virtual sale and share of object on internet environment.



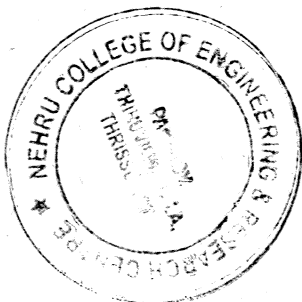
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CLAIMS

I/We claim:

1. An internet of things based intelligent system for providing online store for share and sale of virtual objects based on cloud computing, wherein the system comprising: A computing unit in communication with the storage medium, wherein when executing the set of instructions, the computing unit is used to perform a cloud computing method comprising steps of: Getting a plurality of virtual objects for display on a virtual online store; Getting at least one online customer interested index for each of the plurality of virtual objects to form a plurality of virtual object and online customer interested index; for each of the plurality of virtual object and online customer interested index: determining a threshold of a virtual object, of a virtual object and online customer interested index, indicating popularity of the virtual object among online customers; determine a similarity threshold indicating similarity between the virtual object and an online customer interested index of the virtual object and online customer interested index; and determine a cut off threshold for the virtual object and online customer interested index based on the threshold of the virtual object and the similarity threshold of the virtual object and the online customer interested index; select a target comprising a target virtual object and a target selected product from the plurality of virtual object and online customer interested index based on cut off thresholds determined for the plurality of virtual object and online customer interested index; determine an arrangement, for the virtual online store, of two or more virtual objects and one or more online customer interested index comprising the target comprising the target virtual object and the target selected product, wherein the determining the arrangement includes: determining a specified area, in a popular point on the virtual online store, for the target virtual object with which the target selected product; and determining an another area, in the popular points on the virtual online store, for the target selected product based on a determination that the another area is adjacent to the specified area, on the virtual online store, of the target virtual object with which the target selected product; Presenting the target virtual object, in the specified area, on the virtual online store; and display the target selected product, in the another area determined based on the target virtual object, on the virtual online store.
2. The internet of things based intelligent system for providing online store for share and sale of virtual objects based on cloud computing as claimed in claim 1, analyzing text of each virtual object from the group of virtual objects to identify a plurality of objects relevant to the group of virtual objects and to generate a relevance threshold for each topic and each virtual object
3. The internet of things based intelligent system for providing online store for share and sale of virtual objects based on cloud computing as claimed in claim 1, wherein the step of Getting a plurality of virtual objects includes generating a listing for the virtual object in a marketplace, the listing including the product information.




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Dear Vineetha K R,

Thank you for submitting your chapter proposal, "Role of Metaheuristic approaches of Machine learning in 6G Wireless communication networks," for the upcoming book, "Design, Deployment, Automation, and Testing Strategies for 6G Mobile Core Network." After reviewing your recent proposal, I believe the topic of your proposed chapter is consistent with the theme of this book and could make a significant contribution to this project. I therefore encourage you to begin preparing your full chapter and submit a copy before Tuesday, September 14, 2021 at the following URL:

<https://www.igi-global.com/submission/submit-chapter/?projectid=261827d2-cab8-478c-9a65-c304f0e44c3d>

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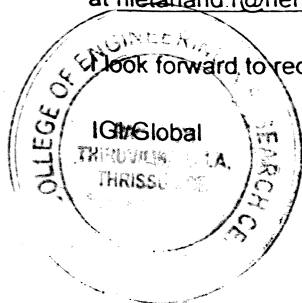
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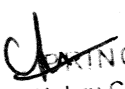
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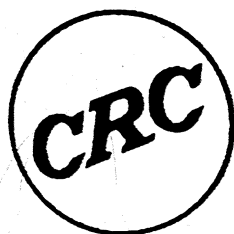
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I look forward to receiving your chapter!




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Pin 680 597 Kerala


Head of the Department
Department of Computer Applications
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Computational Intelligence in Image and Video Processing

Editors: Mukesh D Patil, Gajanan K Birajdar, Sangita S Chaudhari

**Synthetic Media Simulation using Computational Intelligence:
Paradigms, Dissections and Applications**

Author 1	
Name	Dr Sudheer S Marar
Affiliation	Professor & Head, Department of MCA, Nehru College of Engineering and Research Centre
Email Id	ssmarar@gmail.com

ABSTRACT

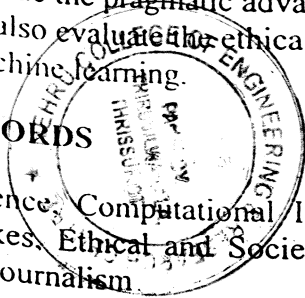
Traditionally, Intelligence was referred to as a term applied to humans and human cognition, but in recent times, technology has tremendously progressed fostering the development of intelligent systems being able to simulate many human traits. The new era of Computational Intelligence and simulation, has much research works making headway in various dimensions of their domains.

Today's media ecosystems are inseparable from technology. The development, application, and capabilities of AI based systems are evolving rapidly. Synthetic media — content generated or manipulated by AI and deep learning — will transform the way we produce and consume media. Various forms of Synthetic media had already started their commercial implementation. Computational Intelligence will actually democratise creativity. It wouldn't replace human content authors, however would facilitate for greater experimentations.

Something is shifting in our culture, as we normalise altered reality. To the darker side of New-Media Journalism, the boundary between real and fake has been blurred, and no media technology has triggered more fear in the past few years, than Deep fakes. Meantime, in order to continue the pragmatic advancements and its complete deployment in the field, industry should also evaluate the ethical and societal concerns of the existence of artificial imagination and machine learning.

KEYWORDS

Intelligence, Computational Intelligence, Simulation, Synthetic media, AI-based systems, Deepfakes, Ethical and Societal concerns, Artificial imagination, Machine learning, New-Media Journalism.

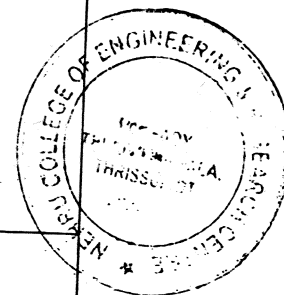


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[Signature]
Head of the Department
Computer Application
90598

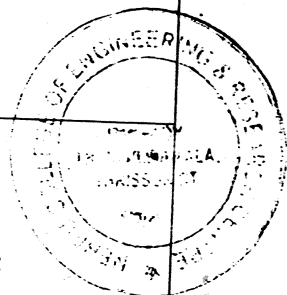
3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during 20-21

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Sundaramoorthi, P.Rajkumar G.		PV Panel Cooling Using Stack Effect	PV Panel Cooling Using Stack Effect	International Conference on Research and Developments in Science, Engineering and Technology ICRDSET - 2021	International Conference	2020-2021		Nehru College of Engineering & Research Centre, Pampady	
2	Rajkumar G.		ELECTROMAGNETIC PULSE BASED DATA ERASING	ELECTROMAGNETIC PULSE BASED DATA ERASING	International conference on Emerging trends in Signals systems and information (ICET SSI-2021)	International Conference	2020-2021		Nehru College of Engineering & Research Centre, Pampady	
3	Rajkumar G.		Novel Power Supply for THD reduction from Electrostatic Precipitators	Novel Power Supply for THD reduction from Electrostatic Precipitators	International Conference on SMART GRID & ELECTRIC VEHICLE (ICSGEV-21)	International Conference	2020-2021		Nehru College of Engineering & Research Centre, Pampady	
4	P.Sundaramoorthi		Solar Paddy Dryer with solar cooking systems	Solar Paddy Dryer with solar cooking systems	International conference on emerging trends in signals systems and information (ICET SSI-2021)	International Conference	2020-2021		Nehru College of Engineering & Research Centre, Pampady	



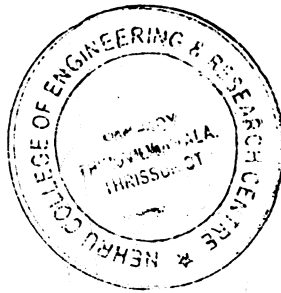
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5	P. Sundaramoorthi	Power Factor Circuit Breaker	Power Factor Circuit Breaker	International conference on emerging trends in signals systems and information(ICET SSI-2021)	International Conference	2020-2021	Nehru College of Engineering & Research Centre, Pampady	
6	Anoopkumar M V	Advanced Gesture Controlled Smart Home	Advanced Gesture Controlled Smart Home	International conference on emerging trends in signals systems and information(ICET SSI-2021)	International Conference	2020-2021	Nehru College of Engineering & Research Centre, Pampady	
7	Rajesh P	IoT based Smart Energy Meter	IoT based Smart Energy Meter	International conference on emerging trends in signals systems and information(ICET SSI-2021)	International Conference	2020-2021	Nehru College of Engineering & Research Centre, Pampady	
8	Maheswaran k	Wireless Charging of Electric Vehicles	Wireless Charging of Electric Vehicles	International conference on emerging trends in signals systems and information(ICET SSI-2021)	International Conference	2020-2021	Nehru College of Engineering & Research Centre, Pampady	
9	David E	Controllable Automatic Voltage Regulator	Controllable Automatic Voltage Regulator	International conference on emerging trends in signals systems and information(ICET SSI-2021)	International Conference	2020-2021	Nehru College of Engineering & Research Centre, Pampady	
10	Rajesh P	Modelling of solar energy harvesting system	Modelling of solar energy harvesting system	International conference on emerging trends in signals systems and information(ICET SSI-2021)	International Conference	2020-2021	Nehru College of Engineering & Research Centre, Pampady	



P. Sundaramoorthi
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11	Arlopkumar M V	Modelling energy consumption of agricultural load based on crop Evapo transpiration and light integration for economic operation of indoor cultivation power systems	Modelling energy consumption of agricultural load based on crop Evapo transpiration and light integration for economic operation of indoor cultivation power systems	International conference on emerging trends in signals systems and information (ICET SSI-2021)	International Conference	2020-2021	Nehru College of Engineering & Research Centre, Pampady	
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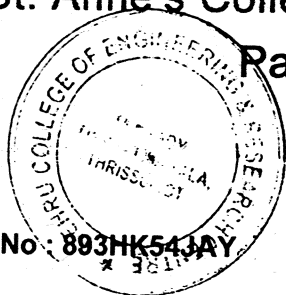
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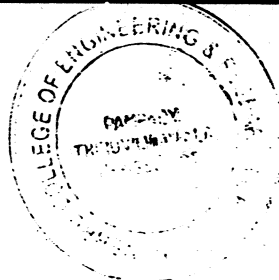
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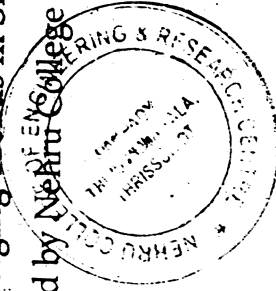
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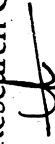
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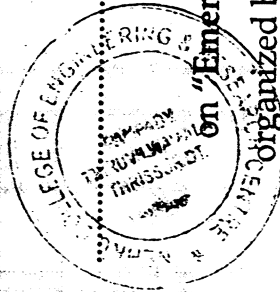
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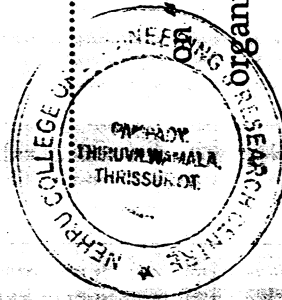
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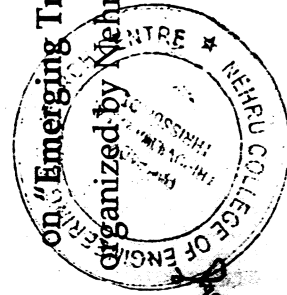
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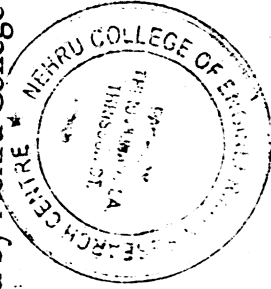
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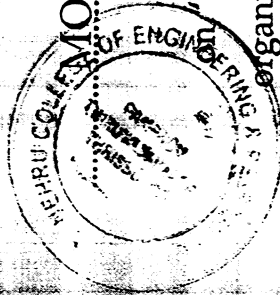
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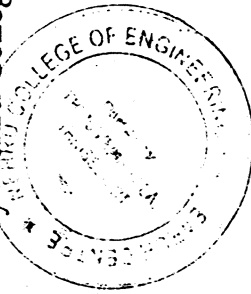
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