

2ND INTERNATIONAL CONFERENCE

ON

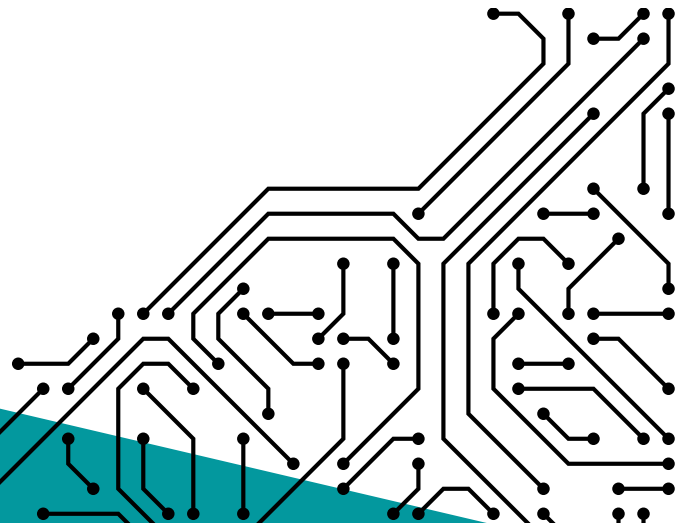
**APPLICATION OF ARTIFICIAL INTELLIGENCE AND INTERNET OF
THINGS ON MANAGEMENT, SCIENCE AND TECHNOLOGY**

Organised by



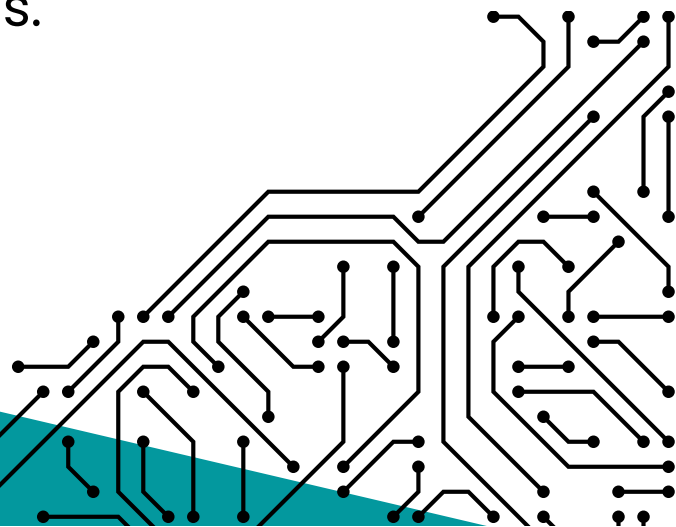
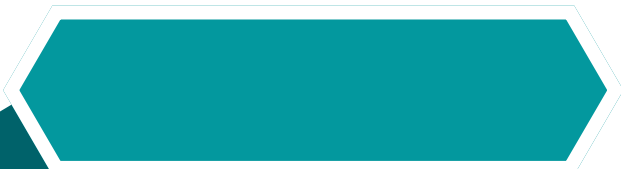
Indian Academicians and Researchers Association

SOUVENIR



About Indian Academicians and Researchers Association (IARA)

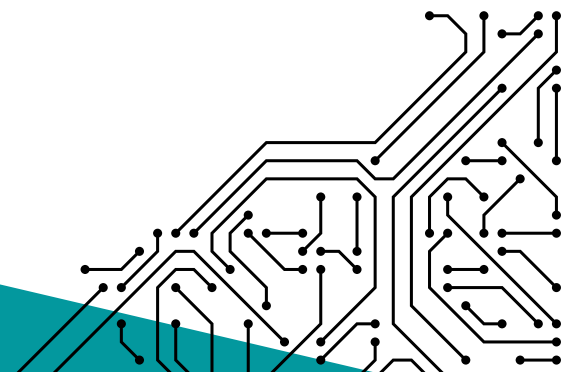
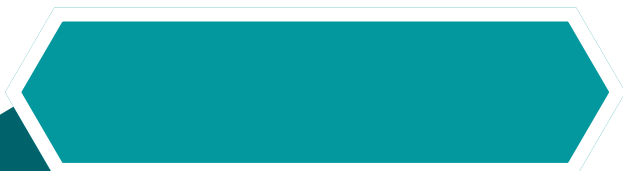
Indian Academicians and Researchers Association (IARA) is an educational and scientific research organization of Academicians, Research Scholars and practitioners responsible for sharing information about research activities, projects and conferences to its members. IARA offers an excellent opportunity for networking with other members and exchange knowledge. It also takes immense pride in its services offerings to undergraduate and graduate students. Students are provided with opportunities to develop and clarify their research interests and skills as part of their preparation to become faculty members and researchers. Visit our website www.iaraedu.com for more details.



About The Conference

Artificial intelligence is the simulation of human intelligence processes by machines, especially computer systems. Artificial Intelligence has various applications in today's society. It is becoming essential for today's time because it can solve complex problems with an efficient way in multiple industries. Artificial intelligence has emerged as a ground-breaking technology that is transforming numerous industries. Its ability to replicate human intelligence and perform complex tasks with remarkable accuracy and speed has led to significant advancements in various sectors. From healthcare to finance, manufacturing to retail, AI is revolutionizing how businesses operate, enhancing efficiency, productivity, and decision-making processes.

This International Conference On Application Of Artificial Intelligence And Internet Of Things On Management, Science and Technology will provide an excellent international forum for sharing knowledge and results in theory, methodology and applications of Artificial Intelligence. The aim of the conference is to provide a platform to the researchers and practitioners from both academia as well as industry to meet and share cutting-edge development in the field.



STEERING COMMITTEE

Dr. Hamid Saremi

President (Chancellor)
Assrar Higher Education Institute
(Deemed to be university), Mashhad-Iran

Prof. (Dr.) Jose Vargas Hernandez

Research Professor University of
Guadalajara, Jalisco México

Prof. (Dr.) Aftab Anwar Shaikh

Principal Poona College of Arts, Science
and Commerce Pune, India

Dr. Mohan Lal Agarwal

US Fulbright Fellow & Professor
MENA College of Management (MCM)
Dubai

Prof. (Dr.) Sudhansu Ranjan Mohapatra

Dean Faculty of Law Sambalpur University,
Sambalpur, India

Dr. Aloysius Edward J.

Dean, Commerce and Management Kristu
Jayanti College Bengaluru, India

CONFERENCE CHAIRS

Prof. (Dr.) Elez Osmanovic

Director Institute for Scientific Research
and Development Montenegro

Dr. Parbin Sultana

Professor University of Science &
Technology Meghalaya, India

Prof. (Dr.) Aftab Anwar Shaikh

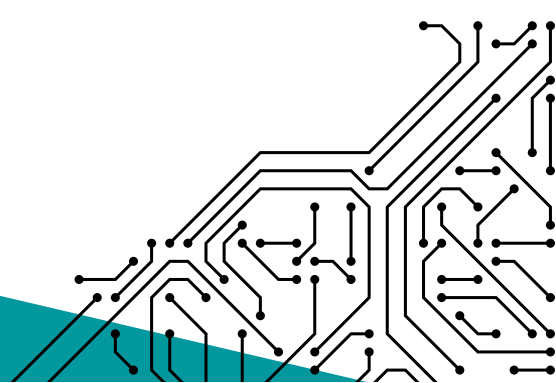
Principal Poona College of Arts, Science
and Commerce Pune, India

Dr. Y. Narasimha Rao

Professor School of Computer Science and
Engineering, VIT-AP University, Amaravathi,
Andhra Pradesh, India

Dr. Namita Dixit

Associate Professor
IILM University, Gurugram Haryana, India



ADVISORY MEMBERS

Prof. Nazli Tyfekçi

University of Gjakova
Kosovo

Prof. Yllka Imeri

University of Gjakova
Kosovo

Dr. Morakot Worachairungreung

Assistant Professor & Vice-Director Institute
of Research and Development Suan
Sunandha Rajabhat University Thailand

Dr. Gulabchand K Gupta

Principal Seva Sadan College of Arts,
Science & Commerce Ulhasnagar, India

Prof. (Dr.) Alireza Heidari

Professor, Faculty of Chemistry
California South University, California,
USA

Dr. Baharul Islam

Dean University School of Law and
Research, University of Science &
Technology, Meghalaya, India

Dr. Ritu Bhattacharyya

Principal Sasmira's Institute of
Commerce & Science Mumbai, India

Prof. Dr. Asoc. Fridrik Dulaj

University of Gjakova
Kosovo

Prof. (Dr.) Badiuddin Ahmed

Dean, School of Commerce and Business
Management Maulana Azad National
Urdu University, Hyderabad, India

Dr. Yuttana Sudjaroen

Assistant Professor & Vice-Director Institute
of Research and Development Suan
Sunandha Rajabhat University Thailand

Dr. Ravikant Swami Director

DME Management School Noida, India

Dr. Rosemary Ekechukwu

Associate Dean, Faculty of Education
University of Port Harcourt Rivers State,
Nigeria

Prof. Asoc. Dr. Kamber Kamberi

Professor of Albanian Literature
University of Gjakova "Fehmi Agani"
Kosovo

Dr Pratima Singh

I/C Principal Chandrabhan Sharma College of
Arts, Science & Commerce, Mumbai, India

Dr. Nishikant Jha

Vice Principal Thakur College Mumbai,
India

Prof. (Dr.) Manoj Kumar Jha

Professor ITS Mohan Nagar, Ghaziabad
India

Dr. Hiresh Luhar

Director VIVA Institute of Management &
Research Thane, India

Dr. Maria-Ana Tupan

Professor University of Bucharest Romania

Dr. Dhananjay Prabhakar Awasarikar

Professor Suryadutta Institute Pune,
India

Prof Dr. Gilbert C. Magulod Jr.

Professor Cagayan State University,
Philippines

Dr. Udin Udin

Universitas Muhammadiyah Yogyakarta
Indonesia

Dr. Rosjana Chandhasa

Associate Professor Director of Institute of
Research and Development Suan Sunandha
Rajabhat University, Thailand

Dr. Divya Prakash

Associate Professor Department of Civil
Engineering Poornima University, Jaipur,
India

Dr. Guru Basava Aradhya .S

Associate Professor Christ (Deemed to
be university), Pune, India

Dr. Sunita S Yadav

Vice Principal Shri Ram College of Commerce,
Science and Arts Bhandup West, Mumbai, India

Dr. G. S. Vijaya

Professor CMS Business School JAIN (Deemed-
to-be University), Bengaluru, India

Dr. Praveen Bhatt

Professor Asia Pacific Institute of Information
Technology Panipat, India

Prof. (Dr.) Badar Alam Iqbal

Adjunct Professor Monarch University
Switzerland

Dr. Salah-ddine KRIT

Founder & CEO Center Ibn Zohr of
Development and Research Morocco

Prof. Apriana Toding

Universitas Kristen Indonesia Paulus,
South Sulawesi, Indonesia

Dr. C. Kathiravan

Associate Professor Annamalai
University, Annamalai Nagar, India

Dr. Divya Prakash

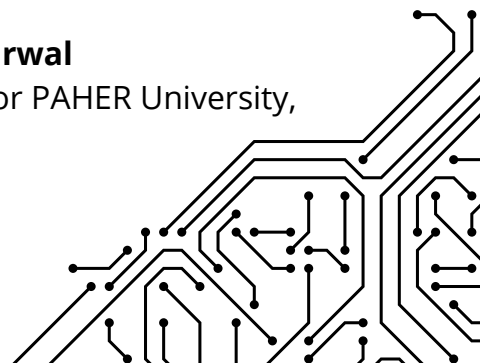
Associate Professor Department of Civil
Engineering Poornima University, Jaipur,
India

Dr. Shraddha Prasad

Associate Professor HOD, Department of
Applied Science Jharkhand Rai University,
Ranchi, India

Dr. Khushbu Agarwal

Assistant Professor PAHER University,
Udaipur, India



Nik Alif Amri Nik Hashim

Lecturer
Faculty of Hospitality, Tourism and Wellness
Universiti Malaysia Kelantan, Malaysia

Dr. Shraddha Mayuresh Bhome

Assistant Professor Satish Pradhan
Dnyansadhana College Thane (West) , India

Dr. Urmila Yadav

Assistant Professor Sharda University,
Greater Noida, India

Dr. P. Sairani

HOD, Finance Department ICBM- SBE,
Hyderabad, India

CONFERENCE CONVENOR

CONFERENCE CO - CONVENORS



Dr. Tazyn Rahman

Director

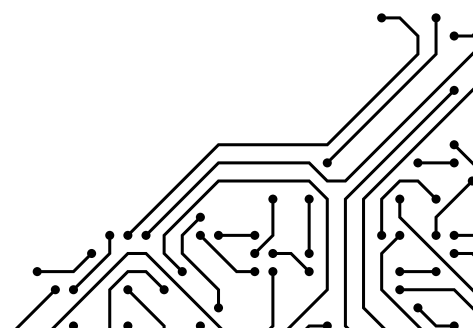
IARA Research Solutions Pvt. Ltd., India



Dr. Kamal Gulati

Associate Professor

Amity University, Noida, India



PUBLICITY CHAIRS

Prof. G. Ganesan @ Subramanian
Assistant Professor, EEE
E.G.S. Pillay Engineering College
(Autonomous) Nagapattinam, India

SESSION MANAGEMENT CHAIRS

Dr. Anshu Tyagi

Sr. Research Associate IARA Research
Solutions Private Limited India

Dr. Rashmi Srivastava

Sr. Research Associate IARA Research
Solutions Private Limited India

Dr. Geeta Singh

Sr. Research Associate IARA Research
Solutions Private Limited India

Dr. Mohini Gupta

Sr. Research Associate IARA Research
Solutions Private Limited India

PUBLICATIONS CHAIRS

Dr. Rijwan Khan

Department of Computer Science and
Engineering ABES Institute of Technology,
Ghaziabad, India

Dr. Gaurav Dhiman

Department of Computer Science
Government Bikram College of Commerce, India

Dr. Mohammad Shabaz

Model Institute of Engineering and
Technology Jammu, India

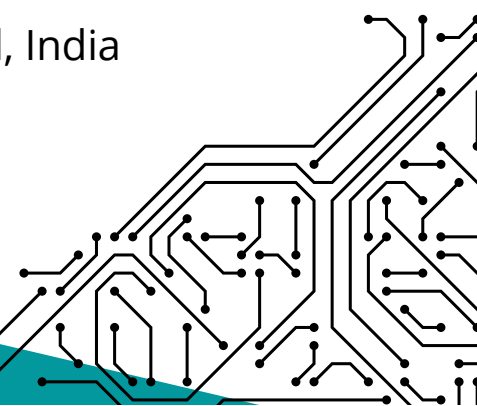
Dr. Akhter Alam

IARA Research Solutions Private Limited India

PUBLICATIONS CHAIRS

Arvind Kumar

IARA Research Solutions Private Limited, India



PROGRAMME COMMITTEE

Dr. Imran Baig Mirza

Assistant Professor,
AKI's Poona College of Arts, Science and
Commerce, Pune, India

Dr. Indrajit Ghosal

Associate Professor, Faculty of Computer
Science & Engineering, Poornima University,
Jaipur, India

Dr. Sampurna Mehta

Associate Professor,
K C College of Engineering & Management
Studies and Research, Thane, Mumbai,
Maharashtra, India

Dr. Manoj P. K.

Associate Professor,
Cochin University of Science and Technology
Kerala, India

Dr. Vijay K Vishwakarma

Assistant Professor
S M Shetty College, Mumbai, India

Dr. Hitesh G. Suthar

Head Department of Finance GNVS Institute
of Management Mumbai, India

Dr.R. Ganapathi

Assistant Professor, School of Management,
Alagappa University, Karaikudi, India

Dr. Pradeepta Kishore Sahoo

Associate Professor, B.S.A, Institute of Law
Faridabad, India

Dr. Vijay Prakash Gupta

Associate Professor,
Institute of Business Management, GLA University
Mathura, U.P., India

Dr. Anis Ali

Assistant Professor,
College of Business Administration, Prince Sattam
Bin Abdulaziz University Saudi Arabia

Dr. Vivek Pachauri

Assistant Professor
ITS MohanNagar, Ghaziabad, India

Dr. Rajesh Trehan

Associate Professor and Head,
Chemistry Department, DYSP Govt. P. G.
College, Nahan-173001 (H.P.) India

MEDIA COVERAGE

Prashant Pandey

IARA Research Solutions Private Limited
India

Mohit Singh

IARA Research Solutions Private Limited
India

WEB DEVELOPER

Kartik Kumar

IARA Research Solutions Private Limited India

GREEN HYDROGEN FOR THE ENERGY FUTURE	1
<i>Ismail Marouani, Asseri Ali Amer, Hazza AlSharif, Abdullah AlHazmi, Abdullah AlAmoudi, Mohammed alharbi and Faisal Nofal</i>	
THE CONTRIBUTION OF ARTIFICIAL INTELLIGENCE BASED SOLUTIONS IN COMBATING THE PHENOMENON OF GLOBAL WARMING	2
<i>Ismail Marouani, Asseri Ali Amer, Mohammed Alhattami, Mohammed Alharbi, Mohammed Awtida and Osama Al Harithi</i>	
INTEGRATION OF WIND ENERGY IN ELECTRICAL NETWORKS-ADVANTAGES AND CHALLENGES	3
<i>Ismail Marouani, Othman Alghamdi, Mohammed Zuhair Abu Alkhair, Mahmoud Mohammed Ragab, Alwaleed Hassn Jarwan and Abdulelah Mohammed Bamubayruk</i>	
POWER FLOW SOLUTIONS-SIMULATION RESULTS USING MATLAB SIMULINK	4
<i>Ismail Marouani, Asseri Ali Amer, Mohammed Ahmed Alammari and Hassen Alkarni</i>	
INTEGRATION OF SOLAR ENERGY IN ELECTRICAL NETWORKS-ADVANTAGES AND CHALLENGES	5
<i>Ismail Marouani, Asseri Ali Amer, Bassam Azab, Ahmed Bakashawain, Hameed Alharby, Aseel Mahmoud and Rayan Al-Juhani</i>	
ECONOMIC DISPATCH OF THERMAL UNITS	6
<i>Ismail Marouani, Asseri Ali Amer, Osama Alahmadi, Raghid Adil AbuAlkhuyur, Fadhl mohsen alabdali, Bandar Bawajeeh and Mohammed Salem bahwireth</i>	
A COMPREHENSIVE REVIEW OF FACTS DEVICES STATIC SYNCHRONOUS COMPENSATOR (STATCOM)	7
<i>Ismail Marouani, Asseri Ali Amer, Mansour Alghamdi and Sultan Aldahri</i>	
A COMPREHENSIVE REVIEW RENEWABLE ENERGY HYDROPOWER	8
<i>Ismail Marouani, Othman Alghamdi, Amine Alghamdi and Fadhl Mohsen Alabdali</i>	
CLIMATE CHANGE MITIGATION POTENTIAL OF RENEWABLE ENERGY	9
<i>Ismail Marouani, Othman Alghamdi, Adel Alahmadi, Ibrahim Alruwaili and Sami Alghamdi</i>	
ACHYRANTHES ASPERA L.SEVERAL ACTIVITIES: A REVIEW	10
<i>Nishinandan R Suryawanshi, Dr Aparark Moholkar, Rushikesh Patil and Nilesh Dhanve</i>	

FINTECH'S FUTURE: UNVEILING AI'S IMPACT ON FINANCE	11
<i>Dr. R.V. Suganya and Dr. M.Vetrivel</i>	
AI ADVANCEMENTS IN INDIAN EDUCATION	12
<i>Dr. R.V. Suganya and Dr. G. Venkateshwaran</i>	
AI ADVANCEMENTS IN PHARMACEUTICAL DRUG DEVELOPMENT: A COMPREHENSIVE REVIEW	13
<i>E. Mano Cheruba, Dr. S. Jeganath and J. Mohammed Dharik</i>	
AI IN EDUCATION: A STUDY ON STUDENT EXPERIENCE PRACTITIONER TRANSITIONS - (SEPT) MODEL	14
<i>Dr. D. Thirumala Rao</i>	
EFFECT OF AI CHATBOTS TOWARDS COMPETITIVE MARKETING STRATEGIES IN HYPER -COMPETITIVE BUSINESS ENVIRONMENT	15
<i>Dr. Ganesan D, Dr.Prasanna Mohanraj M, Jaisri N and Sakthi Shruthi K S</i>	
APPLICATIONS OF ARTIFICIAL INTELLIGENCE IN HEALTH CARE SYSTEM	16
<i>J. Mohammed Dharik, Dr. S. Jeganath and E. Manocheruba</i>	
DEVELOPMENT OF MENTAL HEALTH ANALYSER FOR EARLY DETECTION AND INTERVENTION	17
<i>Lasya Nama, Kanaka Srinidhi, Dr. R. Pavithra Guru and Ms. M. Thamizharasi</i>	
EVALUATION OF EFFECTIVENESS OF ARTIFICIAL INTELLIGENCE ALONG WITH MICROLEARNING METHOD AMONG UNDERGRADUATE STUDENTS- A WAY OF EDUCATION STYLE	18
<i>Dr. Devyani P Dasar</i>	
EFFECT OF PLYOMETRIC TRAINING ON BREATH-HOLDING CAPACITY OF KARATE PLAYERS	19
<i>Nagaraja,D and Virupaksha, N. D</i>	
EVALUATION OF COMPARATIVE EFFICACY OF DEVELOPED AWARENESS PROGRAM ON KNOWLEDGE REGARDING PUBERTAL CHANGES AMONG ADOLESCENT BOYS IN SELECTED URBAN AND RURAL SCHOOLS IN WARDHA	20
<i>Dr. Bibin Kurian and Dr. Archana Maurya</i>	

2nd International Conference on Application of Artificial Intelligence and Internet of Things
on Management, Science and Technology

Organized By

Indian Academicians and Researchers Association (IARA)

On

16th December 2023

FACE RECOGNITION BASED PERSON IDENTIFICATION USING HYBRID CLASSIFIER 21

Mr. A. J. Vignesh, Dr.S.Uma and Mr.T. K. P. Rajagopal

GLIMEPIRIDELOADED NANOPARTICLES - A NOVEL APPROACH FOR THE TREATMENT OF DIABETES 22

Nilesh D Dhanve, Dr. Aparark Moholkar, Rushikesh Patil and Nishinandan Suryawanshi

HR UNLEASHED: THE AI REVOLUTION 23

Albin Joe and Dr. R.V. Suganya

ROLE OF ARTIFICIAL INTELIGENCE AND MACHINE LEARNING IN DIAGNOSIS OF CANCER 24

M. Duraiseelan, J.Kamalesh and Dr. I. Somasundaram

ROLE OF ARTIFICIAL INTELIGENCE IN PHARMACEUTICALINDUSTRY- A REVIEW 25

J. Kamalesh, M. Duraiseelan and Dr. I. Somasundaram

IOT IN SOCIAL SCIENCE EDUCATION: BRIDGING THEORY AND PRACTICE FOR INTERDISCIPLINARY CONNECTIONS 26

Azizan Had and Starry Garijih

IMPACT OF CLOUD COMPUTING IN EDUCATION DURING PANDEMIC 27

Dr. M.C.S. Geetha, S.Adithya Rao and P.Shiyam

BIG DATA PERFORMANCE ENHANCEMENT OF CONTENT IN FOG ENVIRONMENT 28

Ms. Shalu Saini and Dr. Priti Singla

ENHANCED FRAMEWORK FOR PERSONALISATION IN E-LEARNING FOR ONLINE LEARNERS 29

Smruti Nanavaty and Dr. Ajay Khuteta

SECURE AND HIGH PERFORMANCE ENHANCEMENT FOR CLOUD ENVIRONMENT FOR REAL WORD APPLICATION 30

Radhika Garg and Dr. Kavita Mittal

PROBLEMS AND PROSPECTS OF SMALL TEA GROWERS IN HIMACHAL PRADESH: A STUDY OF KANGRA AND MANDI DISTRICTS 31

Naresh Kumar and Dr. Kuldeep Kumar

QUERICETINELoaded NONOFIBER- A NOVEL APPROACH IN HYPERTENSION 32

Rushikesh S Patil, Dr Aparark Moholkar, Nnaishindan Suryawanshi and Nilesh Dhanve

FINGERPRINT-BASED VOTING SYSTEM 33

Dr. Meena Arora, Shikhar Aryan, Sahil Sharma, Sagar Singh and Tushar Chauhan

COMPARATIVE STUDY OF COVID PREDICTION IN CXR IMAGES USING HYBRID VGG19-SVM MODEL AND HYBRID CNN-LSTM MODEL 34

Ranjana Kumari, Rajesh Kumar Upadhyay and Javed Wasim

SECURING HEALTHCARE DATA IN IOT ENVIRONMENTS: A BLOCKCHAIN-BASED APPROACH FOR IMAGE STORAGE AND INTEGRITY 35

Niyati Jain and Dr. Kavita Mittal

SECURITY ENHANCEMENT BY MAKING USE OF BLOCKCHAIN DURING BIG DATA PROCESSING 36

Sugandha and Dr. Kavita Mittal

VENTURI FEEDER TYPES AND ITS IMPACT ON DIFFERENT APPLICATIONS IN POWDER CONVEYING SYSTEMS, A CASE STUDY 37

J Phani Krishna, Kiran Barade and Pratik Kardile

EXPLORING THE DYNAMICS OF HUMAN-AI INTERACTION: IMPACTS ON SOCIAL RELATIONSHIPS AND COLLABORATION 38

Dr. Gazala Bhoje

AI HORIZON: ILLUMINATING THE FUTURE OF MARKETING 39

Ms. Rajeswari. K and Dr. R.V. Suganya

THE GENDER ADVANTAGE: WOMEN WHO MISUSE & MEN WHO BEARS IT IN INDIAN LEGAL SYSTEM 40

Rajat

ASSESS THE KNOWLEDGE REGARDING PREVENTION AND MANAGEMENT OF CHILDHOOD EMERGENCIES AMONG MOTHERS OF UNDER FIVE CHILDREN AT ARILOVA, VISAKAHAPATNAM

Mrs. K. Sridevi and Dr. Kuldeep Singh Gurjar

ABSTRACT

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

GREEN HYDROGEN FOR THE ENERGY FUTURE

Ismail Marouani^{*1}, Asseri Ali Amer², Hazza AlSharif³, Abdullah AlHazmi⁴, Abdullah AlAmoudi⁵,
Mohammed alharbi⁶ and Faisal Nofal⁷

¹Assistant Professor, ¹Electrical department, University of Hail

²⁻³⁻⁴⁻⁵⁻⁶⁻⁷Electrical Department, College Technology of Jeddah, Kingdom of Saudi Arabia (KSA)

ABSTRACT

Green hydrogen has emerged as a promising solution for the decarbonization of the energy sector and the transition to a sustainable and clean energy future. This paper provides a comprehensive overview of the role of green hydrogen in the energy landscape. It discusses the production methods of green hydrogen, including electrolysis powered by renewable energy sources, and highlights the environmental benefits compared to conventional hydrogen production methods. The paper explores the potential applications of green hydrogen across various sectors, such as transportation, industry, and power generation, emphasizing its versatility and potential to replace fossil fuels. The economic aspects of green hydrogen production and utilization are also analyzed, considering the costs, market dynamics, and policy frameworks that can support its widespread adoption. Furthermore, the challenges and barriers associated with the implementation of green hydrogen are examined, including infrastructure development, technological advancements, and scalability. The paper concludes by emphasizing the need for collaborative efforts among governments, industries, and research institutions to accelerate the deployment of green hydrogen and unlock its full potential in achieving a sustainable and resilient energy future.

Keywords: *Green hydrogen, renewable energy, carbon emissions reduction, production methods, sustainable and resilient energy future.*

ABSTRACT

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology

Organized By

Indian Academicians and Researchers Association (IARA)

16th December 2023

THE CONTRIBUTION OF ARTIFICIAL INTELLIGENCE BASED SOLUTIONS IN COMBATING THE PHENOMENON OF GLOBAL WARMING

Ismail Marouani*¹, Asseri Ali Amer², Mohammed Alhattami³, Mohammed Alharbi⁴, Mohammed
Awtida⁵ and Osama Al Harithi⁶

¹Assistant Professor, ¹Electrical department, University of Hail

²⁻³⁻⁴⁻⁵⁻⁶Electrical Department, College Technology of Jeddah Kindgom of Saudi Arabia

ABSTRACT

Artificial Intelligence (AI) offers invaluable tools for mitigating global warming by optimizing energy consumption, enhancing renewable energy systems, and improving the efficiency of existing infrastructure. Through advanced data analytics, AI can analyze massive amounts of data from diverse sources to identify patterns, optimize energy usage, and reduce carbon emissions. AI algorithms can optimize energy distribution in smart grids, minimize energy waste in buildings, and improve transportation efficiency. Moreover, AI-based solutions contribute to the development of intelligent energy management systems, enabling real-time monitoring and control of energy consumption. These systems can optimize energy usage, balance energy demands, and integrate renewable energy sources effectively. AI can also facilitate the integration of intermittent renewable energy into the power grid by predicting energy generation patterns and optimizing storage and distribution. Furthermore, AI-driven predictive modeling and simulation enable policymakers and stakeholders to assess the potential impact of climate change and devise effective strategies for adaptation and mitigation. AI can analyze climate data, predict extreme weather events, and optimize resource allocation during emergencies. This paper explores the significant role that AI plays in addressing climate change by analyzing its various applications and potential benefits. However, by leveraging AI technologies responsibly and ethically, we can maximize their potential to mitigate climate change impacts and work towards a more sustainable and resilient future.

Keywords: Artificial Intelligence, global warming, carbon emissions reduction, renewable energy, climate change.

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

INTEGRATION OF WIND ENERGY IN ELECTRICAL NETWORKS-ADVANTAGES AND CHALLENGES

Ismail Marouani^{*1}, Othman Alghamdi², Mohammed Zuhair Abu Alkhair³, Mahmoud Mohammed Ragab⁴, Alwaleed Hassn Jarwan⁵ and Abdulelah Mohammed Bamubayruk⁶

¹Assistant Professor, ¹Electrical Department, University of Hail
²⁻³⁻⁴⁻⁵⁻⁶Electrical Department, College Technology of Jeddah, Kingdom of Saudi Arabia (KSA)

ABSTRACT

The integration of wind energy into electrical networks has emerged as a key strategy for achieving a sustainable and low-carbon energy system. This paper presents a comprehensive analysis of the advantages and challenges associated with the integration of wind energy in electrical networks. It highlights the environmental benefits of wind energy, including reduced greenhouse gas emissions, decreased reliance on fossil fuels, and improved air quality. The paper also explores the economic advantages, such as job creation, local economic development, and energy cost savings, that can be realized through the integration of wind energy. Furthermore, the technical challenges related to wind energy integration are examined, including grid integration issues, variability and intermittency, grid stability, and power system planning. The paper discusses various solutions and technologies, such as advanced forecasting techniques, energy storage systems, and grid flexibility measures, that can help overcome these challenges. Additionally, the regulatory and policy frameworks that can support the integration of wind energy are addressed, including feed-in tariffs, renewable energy targets, and grid codes. The paper concludes by emphasizing the need for comprehensive planning, grid infrastructure upgrades, and stakeholder collaboration to successfully integrate wind energy into electrical networks, realizing its full potential in achieving a sustainable and resilient energy future.

Keywords: Renewable energies, Wind energy integration, electrical networks, greenhouse gas emissions reduction, advantages and challenges, sustainable and resilient energy future.

ABSTRACT

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

POWER FLOW SOLUTIONS-SIMULATION RESULTS USING MATLAB SIMULINK

Ismail Marouani^{*1}, Asseri Ali Amer², Mohammed Ahmed Alammari³ and Hassen Alkarni⁴

¹Assistant Professor, ¹Electrical Department, University of Hail

²⁻³⁻⁴Electrical Department, College Technology of Jeddah, Kingdom of Saudi Arabia (KSA)

ABSTRACT

Power flow analysis is a fundamental tool in power system studies for analyzing the steady-state behavior and performance of electrical networks. This paper presents a study on power flow solutions using MATLAB Simulink, a widely used simulation software. The objective of this research is to analyze and evaluate the effectiveness and accuracy of power flow calculations performed in MATLAB Simulink. The paper describes the mathematical formulation of the power flow problem, including the nodal equations, bus admittance matrix, and solution algorithms. The simulation results obtained from MATLAB Simulink are compared with those from established power flow software tools to assess the accuracy and reliability of the solutions. The study considers various scenarios, including radial and meshed networks and different load levels. Additionally, the paper discusses the computational efficiency, convergence characteristics, and stability analysis of the power flow solutions obtained through MATLAB Simulink. The findings of this research provide valuable insights into the capabilities and limitations of MATLAB Simulink for power flow analysis, aiding researchers and practitioners in effectively utilizing this simulation tool for power system studies.

Keywords: *Power flow analysis, electrical networks, MATLAB Simulink, Power flow methods, convergence characteristics.*

ABSTRACT

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

INTEGRATION OF SOLAR ENERGY IN ELECTRICAL NETWORKS-ADVANTAGES AND CHALLENGES

Ismail Marouani*¹, Asseri Ali Amer², Bassam Azab³, Ahmed Bakashawain⁴, Hameed Alharby⁵, Aseel Mahmoud⁶ and Rayan Al-Juhani⁷

¹Assistant Professor, ¹Electrical Department, University of Hail
²⁻³⁻⁴⁻⁵⁻⁶⁻⁷Electrical Department, College Technology of Jeddah, Kingdom of Saudi Arabia (KSA)

ABSTRACT

The integration of solar energy into electrical networks has gained significant attention due to its potential to mitigate greenhouse gas (GHG) emissions, diversify energy sources, and enhance energy sustainability. This paper provides an in-depth examination of the advantages and challenges associated with the integration of solar energy in electrical networks. It explores the environmental benefits of solar energy, including reduced carbon emissions and improved air quality, thus contributing to the global efforts to combat climate change. The paper also discusses the potential economic advantages, such as job creation, energy cost savings, and increased energy independence, that can be realized through solar energy integration. Furthermore, the technical challenges related to solar energy integration are addressed, including issues of intermittency, grid stability, voltage regulation, and power quality. The paper explores various strategies and technologies, such as energy storage systems, advanced forecasting techniques, and grid modernization, that can be employed to overcome these challenges. Additionally, the regulatory and policy frameworks that can support the widespread integration of solar energy are examined, including feed-in tariffs, net metering, and renewable portfolio standards. The paper concludes by emphasizing the need for comprehensive planning, coordination, and collaboration among stakeholders to effectively integrate solar energy into electrical networks, realizing its full potential in achieving a sustainable and resilient energy future.

Keywords: *Solar energy integration, electrical networks, greenhouse gas emissions reduction, advantages and challenges, climate change.*

ECONOMIC DISPATCH OF THERMAL UNITS

Ismail Marouani^{*1}, Asseri Ali Amer², Osama Alahmadi³, Raghid Adil Abualkhuyur⁴, Fadhil Mohsen Alabdali⁵, Bandar Bawajeh⁶ and Mohammed Salem Bahwireth⁷

¹Assistant Professor, ¹Electrical Department, University of Hail
²⁻³⁻⁴⁻⁵⁻⁶⁻⁷Electrical Department, College Technology of Jeddah, Kingdom of Saudi Arabia (KSA)

ABSTRACT

The economic dispatch of thermal units is a critical problem in power system operation and optimization. It involves determining the optimal allocation of power generation among multiple thermal units to meet the electricity demand at minimum cost while satisfying operational constraints. This paper presents a comprehensive review of the economic dispatch problem formulation for thermal units. It covers the mathematical modeling of the problem, including the cost function, generator constraints, and system constraints. Various solution techniques and optimization algorithms commonly used to solve the economic dispatch problem are discussed, including classical methods, heuristic algorithms, and metaheuristic approaches. The paper also highlights the challenges and recent developments in economic dispatch, such as the integration of renewable energy sources and the consideration of environmental factors. Additionally, it explores the impact of uncertainty, market dynamics, and regulatory policies on the economic dispatch problem. The findings of this study provide valuable insights into the formulation and solution methodologies for achieving efficient and cost-effective operation of thermal units in power systems.

Keywords: Economic Dispatch problem, thermal units, renewable energy, costs of generation, demand power.

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

A COMPREHENSIVE REVIEW OF FACTS DEVICES STATIC SYNCHRONOUS COMPENSATOR (STATCOM)

Ismail Marouani^{*1}, Asseri Ali Amer², Mansour Alghamdi³ and Sultan Aldahri⁴

¹Assistant Professor, ¹Electrical department, University of Hail

²⁻³⁻⁴Electrical Department, College Technology of Jeddah, Kingdom of Saudi Arabia (KSA)

ABSTRACT

This paper presents a comprehensive review of Flexible AC Transmission System (FACTS) devices, with a specific focus on the Static Synchronous Compensator (STATCOM). FACTS devices have gained significant attention in recent years for their ability to enhance power system stability, control power flow, and improve voltage regulation. The STATCOM, as one of the key FACTS devices, is extensively discussed in this paper. The paper provides an overview of the operating principles, control strategies, and capabilities of STATCOMs in power systems. The various control modes and operating characteristics of STATCOMs are examined, including voltage control, reactive power compensation, and harmonic mitigation. The paper also discusses the benefits and applications of STATCOMs, such as enhancing system stability, improving power quality, and enabling the integration of renewable energy sources. Furthermore, the challenges and limitations associated with the implementation and deployment of STATCOMs are addressed, including cost considerations, grid compatibility, and control coordination with other devices. The paper concludes by highlighting the ongoing research trends and future prospects of STATCOMs, emphasizing the importance of continued advancements in technology and control strategies to fully exploit the potential of this FACTS device in modern power systems.

Keywords: Flexible AC Transmission System (FACTS) devices, Static Synchronous Compensator (STATCOM), electrical networks, voltage control, reactive power compensation, harmonic mitigation.

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

A COMPREHENSIVE REVIEW RENEWABLE ENERGY HYDROPOWER

Ismail Marouani^{*1}, Othman Alghamdi², Amine Alghamdi³ and Fadhl Mohsen Alabdali⁴

¹Assistant Professor, ¹Electrical Department, University of Hail

²⁻³⁻⁴Electrical Department, College Technology of Jeddah, Kingdom of Saudi Arabia (KSA)

ABSTRACT

This paper provides a comprehensive review of hydropower as a renewable energy source. Hydropower has been widely recognized for its significant contribution to global energy production and its potential for sustainable and clean electricity generation. The paper begins with an overview of hydropower technology, including various types of hydropower plants, such as run-of-river, reservoir, and pumped storage hydropower. The environmental benefits of hydropower, including low greenhouse gas emissions and minimal air pollution, are discussed in detail. The paper also explores the economic advantages of hydropower, such as its cost competitiveness, job creation potential, and long-term reliability. Additionally, the paper examines the challenges associated with hydropower development, including environmental and social impacts, ecosystem disruption, and the need for careful site selection and project planning. The integration of hydropower with other renewable energy sources and grid systems is also discussed, highlighting the potential for hybrid systems and energy storage solutions. The paper concludes by emphasizing the importance of policy support, technological advancements, and sustainability considerations in further harnessing the potential of hydropower as a renewable energy source for a greener and more sustainable future.

Keywords: *Hydropower, Renewable energies, electrical networks, environmental benefits, greenhouse gas emissions reduction, future energy.*

CLIMATE CHANGE MITIGATION POTENTIAL OF RENEWABLE ENERGY

Ismail Marouani^{*1}, Othman Alghamdi², Adel Alahmadi³, Ibrahim Alruwaili⁴ and Sami Alghamdi⁵

¹Assistant Professor, ¹Electrical Department, University of Hail
²⁻³⁻⁴⁻⁵Electrical Department, College Technology of Jeddah, Kingdom of Saudi Arabia (KSA)

ABSTRACT

The urgent need to mitigate climate change has propelled renewable energy sources into the spotlight as key solutions to reduce greenhouse gas emissions. This abstract explores the climate change mitigation potential of renewable energy and its role in transitioning to a low-carbon future. Renewable energy sources, including solar, wind, hydroelectric, geothermal, and biomass, offer significant benefits in combating climate change. By harnessing natural resources, these sources provide clean, low-carbon alternatives to fossil fuels for electricity generation, heating, cooling, and transportation. The mitigation potential of renewable energy lies in its ability to reduce greenhouse gas emissions throughout the energy value chain. This paper discusses the diverse portfolio of renewable energy technologies and their unique contributions to climate change mitigation. Solar energy, including photovoltaic and concentrated solar power, has experienced remarkable growth and presents immense potential for widespread deployment. Wind power, with its rapidly advancing technology and increasing cost competitiveness, has become a leading renewable energy source. Hydropower, geothermal energy, and biomass also contribute significantly to the renewable energy mix and offer reliable, sustainable alternatives to fossil fuel-based power generation. Therefore, this work underscores the indispensable role of renewable energy in mitigating climate change. By displacing fossil fuels, renewable energy sources offer a sustainable pathway towards a low-carbon future. However, realizing the full climate change mitigation potential of renewable energy requires concerted efforts from governments, businesses, and society at large to address challenges, promote innovation, and accelerate the transition to a renewable energy-based economy.

Keywords: *Climate change mitigation, renewable energy, greenhouse gas emissions reduction, sustainable pathway towards a low-carbon future.*

ACHYRANTHES ASPERA L. SEVERAL ACTIVITIES: A REVIEW

Nishinandan R Suryawanshi*, Dr Aparark Moholkar, Rushikesh Patil and Nilesh Dhanve

Department of Pharmaceutics, Channabasweshwar Pharmacy College (Degree) Latur - 413512

ABSTRACT

Amaranthacear, or Achyranthes aspera, is a significant medicinal herb that grows as a weed all over India. Almost all of its parts are used in traditional system of medicines such as seeds, roots, shoots and leaves are the most important medical parts of plants which are used medicinally. According to this article, a large number of phytochemical compounds that have been isolated from the plant and indicate characteristics like diuretic, antiperiodic, laxative, antiasthmatic, antiallergic, antifungal and several other important medicinal properties. This article provides an overview of the most recent data regarding its pharmacological and phytochemical characteristics especially antifungal property. Extensive research has been conducted in the last few decades to demonstrate the biological activities and pharmacology of its extracts. Several chemical constituents have been isolated, including saponins, alkaloids, long chain compounds and many other chemical constituents have been isolated which shows antifungal activity. The aim of the study was to investigate antifungal activity of the various leaves extract of Achyranthes aspera Linn.

Keywords: Antifungal activity, Extract, Chemical constituents, Phytochemical Characteristics.

ABSTRACT

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

FINTECH'S FUTURE: UNVEILING AI'S IMPACT ON FINANCE

^{1*}Dr. R.V. Suganya and ²Dr. M.Vetrivel

¹Assistant Professor, Department of Commerce, Assistant Director – Academic Courses (UGC), Vels
Institute of Science Technology and Advanced Studies

²Associate Professor, Department of Commerce, Assistant Director – CDOE, Vels Institute of Science
Technology and Advanced Studies

Introduction

ABSTRACT

This paper delves into the transformative influence of Artificial Intelligence (AI) on the realm of finance within the FinTech (Financial Technology) landscape. It explores the multifaceted dimensions of AI's integration into financial services, highlighting both its potential benefits and the challenges it poses. Through a comprehensive examination of AI-driven innovations in banking, investment, insurance, and other financial sectors, this study sheds light on how AI is reshaping the financial industry. Additionally, it addresses critical considerations such as regulatory frameworks, cybersecurity, and ethical concerns in the context of AI's pervasive role in finance. By unveiling AI's impact on finance, this paper offers valuable insights into the future trajectory of FinTech and its implications for financial institutions, businesses, and consumers.

ABSTRACT

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

AI ADVANCEMENTS IN INDIAN EDUCATION

¹Dr. R.V. Suganya* and ²Dr. G. Venkateshwaran

¹Assistant Professor, Department of Commerce, Assistant Director – Academic Courses (UGC)
Vels Institute of Science Technology and Advanced Studies

²Assistant Professor, Department of Commerce, Kalasalingam Business School (KBS), Kalasalingam
Academy of Research and Education (Deemed to be University),

ABSTRACT

The integration of Artificial Intelligence (AI) into the realm of Indian education has emerged as a transformative force with the potential to reshape traditional teaching and learning paradigms. "Making AI Work in Indian Education" explores the multifaceted impact of AI on the education landscape of India. This comprehensive study delves into the challenges and opportunities presented by AI in Indian classrooms and elucidates how AI technologies can be harnessed to enhance the quality and accessibility of education. The paper underscores the imperative of a learner-centric approach, advocating for personalized learning experiences tailored to the diverse needs and contexts of individual students. However, it emphasizes the necessity of creating an enabling policy environment that empowers educators to make informed decisions about AI integration, thus avoiding undue dependence on AI-driven content and pedagogical choices. Furthermore, the document highlights the importance of promoting teacher and student participation in the design and implementation of AI-based systems, fostering a sense of agency and responsibility. It draws from successful models of ICT integration in education and underscores the significance of educators and students being at the forefront of AI adoption. The paper also addresses the broader socioeconomic implications of AI in education, emphasizing the need for awareness and critical perspectives on AI's role in society. It calls for interdisciplinary education that goes beyond superficial discussions and dives deep into the ethical, societal, and economic dimensions of AI. Additionally, the document advocates for frameworks that safeguard the beneficial use of community data, ensuring data privacy and security while preventing monopolistic control over educational data. It encourages decentralized ownership and control of data to avoid the centralization of power and protect school autonomy. In conclusion, "Making AI Work in Indian Education" urges a balanced and informed approach to AI integration in education, fostering active participation, ethical considerations, and awareness to harness AI's potential as a force for positive social transformation in the Indian educational landscape

AI ADVANCEMENTS IN PHARMACEUTICAL DRUG DEVELOPMENT: A COMPREHENSIVE REVIEW

E. Mano Cheruba, Dr. S. Jeganath* and J. Mohammed Dharik

Department of Pharmaceutics, School of Pharmaceutical Sciences, Vels Institute of Science Technology and
Advanced Studies (VISTAS), Tamil Nadu, Chennai-600117

ABSTRACT

Artificial Intelligence (AI) has emerged as a transformative force in the realm of pharmaceutical drug development, revolutionizing traditional approaches and expediting the discovery and optimization processes. This comprehensive review delves into the significant advancements that AI has brought to the forefront of drug development, examining its impact on various stages of the pharmaceutical pipeline.

The review begins by outlining the foundational role of AI in target identification and validation, showcasing how machine learning algorithms analyse vast datasets to identify potential therapeutic targets with unprecedented precision. Moving into the realm of molecular design, the paper explores the integration of AI and chemo informatics, emphasizing the collaborative efforts that result in the design and optimization of drug candidates.

AI's influence extends to the crucial phase of preclinical drug development, where predictive modelling plays a pivotal role in assessing drug toxicity, pharmacokinetics, and bioavailability. This section critically evaluates the effectiveness of AI applications in improving the accuracy of preclinical studies, ultimately contributing to more successful and streamlined drug development processes.

The paper also highlights the role of explainable AI in fostering transparency and trust within the pharmaceutical industry. As the complexity of Artificial Intelligence models increases, the ability to interpret and communicate their decisions becomes paramount. Examining the ethical considerations surrounding AI in drug development, the review addresses issues of bias, accountability, and the need for robust regulatory frameworks.

Several case studies and successful applications of AI in pharmaceutical drug development are presented to illustrate the real-world impact of these technologies. The collective insights from these cases serve as a testament to the transformative potential of AI in accelerating drug discovery, reducing costs, and improving overall success rates.

In conclusion, this review provides a comprehensive overview of the manifold ways in which AI has advanced pharmaceutical drug development. The synergistic integration of AI technologies has not only expedited traditional processes but has also opened new avenues for innovation in the pursuit of novel and effective therapeutics. As the pharmaceutical landscape continues to evolve, understanding and harnessing the power of AI is essential for staying at the forefront of groundbreaking drug development.

Keywords: Artificial Intelligence, Pharmaceutical Drug Development, Machine Learning, Chemo informatics, Predictive Modelling

ABSTRACT

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

AI IN EDUCATION: A STUDY ON STUDENT EXPERIENCE PRACTITIONER TRANSITIONS - (SEPT) MODEL

Dr. D. Thirumala Rao

Vice-Principal, Indian Institute of Management and Commerce, Khairatabad, Hyderabad-500004
Research Area: Information Technology

ABSTRACT

Reforms in education is made to bring productive outcomes in a student's career. Yesteryears' 1986 Educational Policy emphasized on 'removal of disparities and to equalize educational opportunities'. In the present context, 2020 Education Policy was laid down with an objective of "giving equal importance to multi-disciplinary and inter-disciplinary subjects for holistic development of students". The present era, when compared to 1986, 2020 is much advanced with technological and innovative methods in imparting education. Mechanization-to-Electronic Age-to-Technology era-to Digital Era, followed by Artificial Intelligence, is the biggest reform in innovations taking place around the world. Hence, there is need to apply innovative technology such as "Artificial Intelligence' (AI) in the education sector, for exploring opportunities to aspiring students, all over the world. This opens abundant chances to students all over the world, making "globalization of education".

This research paper focuses on AI in education from international experience and discusses on the Student Experience Practitioner Transition (SEPT) Model w.r.t. selected educational institution. The SEPT model is described by using primary data collected from respondents randomly, with an objective of adoption of AI in education from a comprehensive perspective.

Keyterms: Education, Technology, Digitalization, Innovation and Globalization.

ABSTRACT

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

EFFECT OF AI CHATBOTS TOWARDS COMPETITIVE MARKETING STRATEGIES IN HYPER -COMPETITIVE BUSINESS ENVIRONMENT

Dr. Ganesan D¹, Dr. Prasanna Mohanraj M², Jaisri N³ and Sakthi Shruthi K S⁴

¹Assistant Professor, MBA, Sona College of Technology, Tamil Nādu, India

²Associate Professor of Marketing, Alliance School of Business, Alliance University, Bangalore,

^{3,4}I MBA, Sona College of Technology, Tamilnadu, India

ABSTRACT

AI enabled chatbots has become an indispensable component of modern marketing strategies. These chatbots bring several advantages to the marketing landscape. They are availability is 24/7. The virtual AI chatbots operate round the clock, ensuring that customers can receive assistance and information at any time, regardless of business hours. Instant response in AI-powered chatbots deliver quick and accurate responses to customer queries, minimising waiting times and improving the overall user experience. Cost efficiency is that the chatbots reduce the need for human intervention in routine and repetitive tasks, leading to cost savings for business while maintaining service quality. Scalability is the Virtual chatbots can handle multiple conversations simultaneously, allowing businesses to scale their customer support without a proportional increase in manpower. Personalization is the AI enables chatbots to analyze user data and tailor responses based on individual preferences, providing a personalized experience for each customer. This paper focus on effective utilization of chatbots will lead to formulating competitive marketing strategies by the leading business organizations. This study evolves around the AI enabled competitive marketing strategies formulated by leading corporate like Uber , Lenskart, Coca-Cola , Nestle to wade through hyper-competitive environment .

Keywords: *Artificial Intelligence (AI), Chatbots, Amplified brand awareness, Personalization, Precise targeting*

ABSTRACT

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

APPLICATIONS OF ARTIFICIAL INTELLIGENCE IN HEALTH CARE SYSTEM

J. Mohammed Dharik, Dr. S. Jeganath* and E. Manocheruba

M. Pharm, Department of Pharmaceutics, School of Pharmaceutical Sciences, Vels Institute of Science,
Technology and Advanced Studies (VISTAS), Tamil Nadu, Chennai – 600117

ABSTRACT

Artificial intelligence (AI) technologies continue to develop in broad range of disciplines during recent years, including the healthcare system. The increase in computer hardware and software applications are widely used in the modern medicine field. This progress provides new opportunities as well as challenges which can be effectively resolved using AI directions in healthcare. AI can perform healthcare tasks better than humans and the its application may prevent large-scale automation of healthcare professional jobs in near future. It has the ability to significantly improve healthcare, and nursing in particular. It can also help realize the promise of individualized and precise treatment. AI can speed up discovery, improve precision, lessen disparities, and help reduce unpredictability in care. It has the ability to empower patients and enable medical staff to relate to their patients as healers who are backed by the greatest available medical research and analytical technologies. However, there are other obstacles to overcome in order to apply successfully. Structural, technological, legal, and cultural barriers are to be removed so as to integrate AI into the core of healthcare.

Keywords: Artificial intelligence (AI), Healthcare, Machine learning, Medical research.

ABSTRACT

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology

Organized By

Indian Academicians and Researchers Association (IARA)

16th December 2023

DEVELOPMENT OF MENTAL HEALTH ANALYSER FOR EARLY DETECTION AND INTERVENTION

Lasya Nama, Kanaka Srinidhi, Dr. R. Pavithra Guru and Ms. M. Thamizharasi

Department of CSE, SRM Institute of Science & Technology, Ramapuram, Chennai, India

ABSTRACT

In today's world, mental health is receiving increased attention, with a growing recognition of its importance. Mental health encompasses cognitive, behavioral, and emotional well-being, and more than 700 million people worldwide are estimated to be affected by mental illness. To address this issue, there's a need to understand the consequences of mental health problems.

Positive mental health empowers individuals to reach their full potential, handle life's stresses effectively, enhance productivity, and contribute to their communities. Stigma and fear often deter people from seeking help for their mental health concerns, and some may not even realize they have such issues.

To address these challenges, a secure website or app can be created using machine learning and data science. This digital platform could help users detect mental health issues early. The rise of mental health apps has made such resources more accessible, but many lack proper features and validation.

A secure app or website can be developed to overcome these difficulties, ensuring user privacy and offering a safe space to share their problems. Features like chatbots and questionnaires can be optimized to help users assess and manage their mental stress effectively. Machine learning algorithms can analyze the collected data to aid in diagnosis and emotional support.

Keywords: Machine learning, data science, mental health, algorithms, chatbot, questionnaire.

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

EVALUATION OF EFFECTIVENESS OF ARTIFICIAL INTELLIGENCE ALONG WITH MICROLEARNING METHOD AMONG UNDERGRADUATE STUDENTS- A WAY OF EDUCATION STYLE

Dr. Devyani P Dasar

Associate Professor, Department of Shalya –Tantra, Mahatma Gandhi Ayurved College, Hospital &
Research Centre, Salod (H), Wardha

ABSTRACT

Background: Artificial intelligence (AI) is typically defined as the ability of machines to perform human-like cognitive tasks, including the automation of physical processes such as manipulating and moving objects, sensing, perceiving, problem solving, decision making and innovation. AI is currently viewed as the most important disruptive new technology. Artificial Intelligence expands the livelihood of every human with ease. It is been widely used with the Internet of Things and making all the works much simpler and creating smart environments. The ability to learn the convolutional methods of Artificial Intelligence brought many benefits to the Internet of Things (IoT). A new wave of IoT devices will bridge the gap between the physical and digital world to improve the quality and productivity of human life, society, and industries. Microlearning is a form of continuous training and learning in which complex chunks of information are broken down into simplified sections that are taught over a period employing the benefits of repetition.

Aim: Evaluation of effectiveness of Artificial Intelligence along with Microlearning method among undergraduate students

Objectives: To introduce Artificial Intelligence along with Microlearning method among undergraduate students

Methodology: The undergraduate Final year BAMS students of MGAC.H & RC were selected for the study and equally divided in two equal groups A and B. In Group A, topic was taught by conventional method while in Group B was taught by Artificial Intelligence along with Microlearning method. Senior and experienced faculties were chosen. Sensitization of teacher and final year BAMS student regarding Microlearning method were done.

Results: Result will be drawn on the basis of the observations.

Conclusion: Conclusion of the study will be drawn on the basis of statistical data calculated.

Keywords: Artificial intelligence, Microlearning method, Undergraduate students.

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

EFFECT OF PLYOMETRIC TRAINING ON BREATH-HOLDING CAPACITY OF KARATE PLAYERS

Nagaraja, D¹ and Virupaksha, N. D²

¹Research Scholar, Department of Physical Education, Jnana Sahyadri, Shankaraghatta, Karnataka, India

²Director, Department of Physical Education, Jnana Sahyadri, Shankaraghatta, Karnataka, India

ABSTRACT

The aim of this study was to investigate the effects of plyometric training on the breath-holding capacity of Karate Players. The study was conducted on 60 karate players, from the Traditional Shotokan Karate Academy Hagaribommanahalli, Vijayanagara District. The age Ranged between 15 to 25 years. The study's real randomised group design included the pre- and post-tests. Two equal groups of 30 subjects each were created from the subjects (n=60). The control group and the plyometric exercise group were divided equally across the groups. The control group received no training at all, whereas the experimental group engaged in three days of alternate-day plyometric training over the course of twelve weeks. After twelve weeks of training, a statistical t-test was used to compare the data. The significance level has been fixed at 0.05. According to research, plyometric training may have an effect on karate players' breath-holding capacity

Keywords: Plyometric training, Breath- holding Capacity, t-test.

**EVALUATION OF COMPARATIVE EFFICACY OF DEVELOPED AWARENESS PROGRAM ON
KNOWLEDGE REGARDING PUBERTAL CHANGES AMONG ADOLESCENT BOYS IN
SELECTED URBAN AND RURAL SCHOOLS IN WARDHA**

Dr. Bibin Kurian*¹ and Dr. Archana Maurya²

¹Child Health Nursing, Smt. Radhikabai Meghe Memorial College of Nursing, Wardha, India,

²Child Health Nursing, Datta Meghe Institute of Higher Education and Research, Wardha, India
Datta Meghe Institute of Higher Education & Research, Wardha, India

ABSTRACT

Introduction:

Adolescent boys have as many as health issues and concerns as adolescent females. Mothers are get involved in preparing their adolescent girls for puberty and its associated changes. Parents and teachers are the main source of providing information regarding puberty but because of one or other reasons, neither the parents nor the teachers talk freely these matters with adolescent boys. Adolescent boys do not get any information from their fathers.

Objectives:

To assess the baseline knowledge regarding pubertal changes among adolescent boys in selected urban and rural schools, to assess the end line knowledge regarding pubertal changes among adolescent boys in selected urban and rural schools on 7th day, 3rd month and 6th month, to evaluate the efficacy of awareness program on knowledge regarding pubertal changes among adolescent boys in selected urban and rural schools, to compare the knowledge regarding pubertal changes among adolescent boys between urban and rural schools, to associate the end line knowledge score regarding pubertal changes among adolescent boys in selected urban and rural schools with selected demographic variables.

Material and methods:

Interventional analytical study design was used; stratified sampling technique was used to collect 75 eligible participants from urban school and 75 from rural school. Knowledge questionnaire was used to collect the data. Qualitative variables were described as numbers and percentages. Chi-square exact test was used for comparison between groups, as a quantitative variable was described as mean (\pm SD) and median.

Results:

78.7% & 77.3% of improvement on knowledge was observed in urban and rural adolescent boys.

Conclusion:

The awareness program was quite efficacious in improving the knowledge of the urban and rural adolescent boys.

Keywords: *adolescents, puberty, girls, boys, parents, teachers, interventional analytical study.*

FACE RECOGNITION BASED PERSON IDENTIFICATION USING HYBRID CLASSIFIER

¹Mr. A. J. Vignesh, ²Dr. S. Uma and ³Mr. T. K. P. Rajagopal

¹ Student, ME-CSE, Hindusthan College of Engineering, Coimbatore, India

²Professor and ³Associate Professor

^{2,3}CSE-Department, Hindusthan College of Engineering, Coimbatore, India

ABSTRACT

Nowadays, Bio metric verification is playing a very important role in finding the criminals within short interval of time. It is helping the police in solving the crime case by giving the accurate identification of criminal using his Finger print and Face Image. Police will find the criminals with fake passport using Bio-metric Identity (Face Image) capture and compare it with biometric identities of existing users. If match is found then we can get to know who is criminal and can arrest that criminal easily. This method works very efficiently because biometric features of a person will not change. It is better than other identification methods like hair color or style, weight or eye color which can be changed by the criminal and trap the police. So in this project we design application for air forces to predict the fake passport and persons using face classification. User can register their details for passport with their unique identification factor. These details are stored in database for further validation. This process uses the algorithm of Haar-Cascade for face recognition. The proposed approach leverages the Haar Cascade, a mathematical representation of the space of linear subspaces, to model and extract intrinsic features from facial images. The Haar Cascade classifier is a machine learning- based algorithm that uses a cascade of weak classifiers to detect specific patterns or objects in an image. It will check face image of the passport holder with available records of face images. It will show an alert message to airport security if face image matching is not found. At the time of verification, admin can check whether he is authorized person or not. Air Force Security System is developed to help the airport security in detecting the valid passport holders by using their face bio-metric. If match found, then this system is forward this details to airport management system.

Index Terms: Air force Security, FaceRegistration, Add Passport Details, Face Recognition, Fake Passport Detection, Verify Travel Details.

ABSTRACT

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology

Organized By

Indian Academicians and Researchers Association (IARA)

16th December 2023

GLIMEPIRIDE LOADED NANOPARTICLES - A NOVEL APPROACH FOR THE TREATMENT OF DIABETES

Nilesh D Dhanve*, Dr. Aparark Moholkar, Rushikesh Patil and Nishinandan Suryawanshi

Department of Pharmaceutics, Channabasweshwar Pharmacy College (Degree) Latur - 413512

ABSTRACT

Diabetes is a group of metabolic disorders characterized by hyperglycaemia and abnormalities in carbohydrate, fat, and protein metabolism. For that we used various antidiabetic drug. In this article we focus on Glimpiride drug. Glimpiride lowers blood sugar by causing the pancreas to produce insulin and helping the body use insulin efficiently. We mainly used here nanotechnology. Nanotechnology word indicates use of technology at nanoscale. Any technology which deals with nanoscale is called as nanotechnology. Desired properties of therapeutic agents can be enhanced by use of nanotechnology. The aim of the study was investigate 'Glimpiride loaded nanoparticles a novel approach for the treatment of diabetes mellitus.' Because of this technology we can get sustained release effect with maximum drug efficacy and with minimum drug toxicity.

Keywords-: Diabetes , Glimpiride, nanotechnology, Hyperglycaemia.

ABSTRACT

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology

Organized By

Indian Academicians and Researchers Association (IARA)

16th December 2023

HR UNLEASHED: THE AI REVOLUTION

Albin Joe¹ and Dr. R.V. Suganya^{2*}

¹Research Scholar (Part Time), Vels Institute of Science Technology and Advanced Studies, Chennai
Lecturer, Department of Commerce (BM&CS), Hindustan College of Arts & Science, Chennai

²Assistant Professor, Department of Commerce, Assistant Director – Academic Courses (UGC), Vels
Institute of Science Technology and Advanced Studies (VISTAS)

ABSTRACT

"HR Unleashed: The AI Revolution" delves into the dynamic intersection of Artificial Intelligence (AI) and Human Resource Management (HRM). In this exploration, we navigate the transformative potential of AI in reshaping HR practices, from recruitment and talent management to employee engagement and data-driven decision-making. As AI becomes increasingly intertwined with HR processes, this abstract underscores the promise and challenges that organizations face in this AI-driven era. We highlight the critical role of responsible AI adoption, ethical considerations, and the importance of human expertise in leveraging AI as a tool for HR enhancement. Embracing the AI revolution in HR promises a future where organizations can gain a competitive edge in nurturing a workforce that thrives in the digital age, fostering innovation and success.

Keywords: *Human Resource Management, artificial Intelligence, HRM function*

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

ROLE OF ARTIFICIAL INTELIGENCE AND MACHINE LEARNING IN DIAGNOSIS OF CANCER

M. Duraiseelan, J.Kamalesh and Dr. I. Somasundaram

M. Pharm, Department of Pharmaceutics, School of Pharmaceutical Sciences, Vels Institute of Science,
Technology and Advanced Studies (VISTAS), Tamilnadu , Chennai – 600117

ABSTRACT

The fields of artificial intelligence (AI) play a key role in achieving precision medicine's objective of creating individualised treatment plans for each cancer patient. gathering of patient data and enhanced nanomaterial design for targeted cancer treatment. A patient-specific disease profile is assembled using diagnostic nanomaterials, and a suite of therapeutic nanotechnologies is then employed to improve the course of treatment. High intratumor and interpatient heterogeneities, however, pose significant challenges to the analytical and diagnostic platforms' sensible design. This gap can be filled by integrating AI techniques, which can use pattern recognition and classification algorithms to improve the accuracy of diagnosis and treatment. In order to handle complex and large data sets, AI is now a tool used by researchers for routine statistical analyses as well as for obtaining complementary results. AI helps to specify estimation outcomes and improves the precision of treatment impact prediction in cancer patients. A brand-new area of research called nanoinformatics is brought about by the application of AI to nanotechnology. Additionally, targeting drug delivery systems can be developed by combining AI with nanorobots, an emerging technology. Additionally, AI-based combination therapy can help with cancer patient diagnosis and treatment comprehension thanks to developments in the field of nanomedicine. This review's primary goals are to go over the latest advancements, potential applications, and long-term plans for artificial intelligence in the delivery of successful cancer care.

Keywords: Artificial intelligence, Nanomaterials, Nanoinformatics ,Diagnosis, Interpatient heterogeneities

ROLE OF ARTIFICIAL INTELLIGENCE IN PHARMACEUTICAL INDUSTRY- A REVIEW

J. Kamalesh, M. Duraiseelan and Dr. I. Somasundaram

M.Pharm, Department of Pharmaceutics, School of Pharmaceutical sciences, Vels Institute of Science,
Technology and Advanced Studies (VISTAS), Tamil Nadu, Chennai – 600117

ABSTRACT

Artificial Intelligence (AI) is a field of engineering focused on making intelligent machines which emerged as a transformative force in the pharmaceutical industry, revolutionizing drug development, clinical research, personalized medicine, disease diagnosis, and various other critical aspects. AI operates through machine learning and deep learning, enhancing drug molecule design, clinical trial optimization, and personalized treatment. Natural Language Processing (NLP) enables AI to understand and interpret language, facilitating more natural human-machine interactions. Various tools, such as robot pharmacies and AI-based robots like MEDi and TUG, have improved patient safety and healthcare efficiency. The application of AI in the pharmaceutical industry extends to drug discovery, clinical research, personalized medicine, antibiotic studies, disease diagnosis, nanomedicine, quality control, and marketing. AI streamlines drug molecule design, clinical trial processes, and quality assurance, leading to improved outcomes and reduced costs. Moreover, AI-driven nanomedicines are transforming drug delivery for complex diseases, and AI aids in detecting and diagnosing diseases more effectively. It also revolutionizes pharmaceutical marketing by enabling data-driven strategies that enhance engagement and revenue. Despite the immense potential, the adoption of AI in the pharmaceutical industry faces challenges, including the novelty of AI, insufficient IT infrastructure, and data-related issues. However, partnerships between AI companies and pharmaceutical giants, such as Roche, Sumitomo Dainippon Pharma, Astellas Pharma, Bayer Pharma, and GSK, are driving innovation and efficiency.

Keywords: Artificial intelligence, machine learning (ML), Deep learning (DL), natural language processing (NLP), Neural networks (NN), Drug discovery, Clinical research, Nanomedicine, Personalized Medicine

IOT IN SOCIAL SCIENCE EDUCATION: BRIDGING THEORY AND PRACTICE FOR INTERDISCIPLINARY CONNECTIONS

Azizan Had¹ and Starry Garijih

¹Universiti Malaysia Sabah, Sandakan Campus

ABSTRACT

In this extensive paper, we delve into the profound impact of the Internet of Things (IoT) on the intersection of theoretical frameworks in social science and their practical manifestations. The focus of this study is to explore the potential of incorporating IoT technologies into social science education, emphasising the bridging of the gap between theoretical concepts and practical applications. Through IoT devices and platforms, educators in social science can establish interdisciplinary connections, providing students with real-world experiences that deepen their comprehension of intricate social phenomena. The paper thoroughly discusses the advantages and challenges associated with integrating IoT in social science education, offering concrete examples of successful implementations and proposing strategies for educators to incorporate IoT into their curriculum seamlessly. Overall, this paper contends that IoT can revolutionise social science education, equipping students for the increasingly interconnected world they will navigate post-graduation. The article scrutinises educators' perceptions regarding integrating IoT into social science education. Their insights highlight the potential of IoT to stimulate student engagement, critical thinking, and problem-solving skills, all while acknowledging challenges such as data privacy concerns and financial constraints. The paper also unravels the interdisciplinary landscape of IoT-enhanced learning experiences by examining real-world examples. These IoT-infused experiences cultivate a holistic understanding of social science concepts across diverse academic disciplines by immersing students in hands-on, experiential learning. The conclusion positions the IoT ecosystem as a powerful catalyst, propelling education and social science research into an era of innovation, collaboration, and profound interdisciplinary connections. The narrative consistently underscores the transformative role of IoT, shaping the future trajectory of education and social science research.

Keywords: *IoT, Education, Social Science.*

ABSTRACT

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

IMPACT OF CLOUD COMPUTING IN EDUCATION DURING PANDEMIC

¹Dr. M.C.S. Geetha, ²S. Adithya Rao and ³P. Shiyam

¹Assistant Professor, Department of Computer Applications, Kumaraguru College of Technology,
Coimbatore, India

^{2,3}PG Student, Department of Computer Applications, Kumaraguru College of Technology, Coimbatore,
India

ABSTRACT

The COVID-19 epidemic has had a significant impact on society at large, including how we educate our children. Remote learning has been made more easier and educational institutions have been able to switch to using digital platforms thanks in large part to cloud computing. Students and teachers can access educational resources, work together, and communicate from any location thanks to cloud technology. Instructors have been able to continue offering top-notch training while minimising the interruption caused by the epidemic thanks to the availability of virtual classrooms and cloud-based learning management systems. The development of cloud computing in education has also opened up new doors for personalised and blended learning. Finally, cloud computing has shown to be a helpful tool for ensuring that teaching has continued during the epidemic.

Keywords: E-learning, Cloud Computing, Pandemic

ABSTRACT

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

BIG DATA PERFORMANCE ENHANCEMENT OF CONTENT IN FOG ENVIRONMENT

¹Ms. Shalu Saini and ²Dr. Priti Singla

¹Research Scholar and ²Assistant Professor, Department of Computer Science, BMU, Rohtak

ABSTRACT

Enhancing the performance of content in a fog computing environment, particularly when dealing with big data, necessitates a multifaceted approach. Fog computing extends cloud capabilities to the network's edge, making it crucial to optimize data processing and delivery for low latency and real-time responsiveness. Strategies for improvement include data compression and aggregation to minimize network traffic, content caching for quicker delivery, and edge analytics for local processing. Load balancing, distributed computing, and edge-based machine learning can parallelize and optimize data processing tasks. Quality of Service (QoS) management ensures data prioritization, while latency-aware routing selects optimal pathways. Robust network infrastructure and well-optimized edge devices are foundational, and continuous monitoring, security, and privacy measures are essential for a holistic solution that efficiently manages and processes big data in a fog environment.

Keywords: *Big data Cloud computing, Fog computing, performance*

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

ENHANCED FRAMEWORK FOR PERSONALISATION IN E-LEARNING FOR ONLINE LEARNERS

¹Smruti Nanavaty and ²Dr. Ajay Khuteta

¹Research Scholar, Department of Computer Science, Poornima University Jaipur

²Professor and Dean, School of Computer Science and Engineering, Poornima University Jaipur

ABSTRACT

The education industry saw a new paradigm shift in the early 2000s and since then there is a rapid adoption of learning management systems and virtual learning environment for course delivery. The advances in technology have offered a vast scope for adding new teaching material in digital format. Universities have introduced blended learning platforms, virtual classrooms, gamification technologies, simulation tools are slowly moving towards social learning. These technologies have transformed the learner's environment to provide enhanced the learning experience. These developing trends have implications on the quality and relevance of knowledge and delivery of learning content to organization workers and e-learners [15]. With abundance of data on the internet, there has been explosion in the number of people accessing alternative forms of learning. MOOC platforms generally have learners with disparate age groups, different levels of work experience and learners at different career stages who may have varied learning needs. Many universities use proprietary Learning Management Systems (LMS) or open source platform like Moodle for the teaching learning process. An important role of e-content providers is to recognize that their pedagogy and educational material must cater for the individual learner's characteristics and requirements [15]. There is an immediate need to move away from the "one size fits all" paradigm and offer personalized learning experience [1]. This necessitates learner centric content delivery for online learners as every individual's needs, requirements, learning objectives, skill level and learning abilities are different. Personalization is thus an act of customizing learner's environment, content, sequence of delivery of the content and evaluation of the user [2][3]. Through this study, we propose a framework for personalising the e-learning environment of learners, which considers the above parameters thereby enhancing learning experience.

Keywords: e-Learning, LMS, face-to-face learning, virtual classrooms, personalization, Moodle, Blackboard

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

SECURE AND HIGH PERFORMANCE ENHANCEMENT FOR CLOUD ENVIRONMENT FOR REAL WORD APPLICATION

¹Radhika Garg and ²Dr. Kavita Mittal

¹Research Scholar and ²Associate Professor, Jagannath University, NCR, Haryana

ABSTRACT

Cloud-based services are increasingly being utilised to transfer data across locations and cloud-based applications are becoming the norm. After a digital file has been shared, the possibility of unwanted access still exists. The performance of cloud systems might suffer when extra security measures are implemented. Researchers conducted significant analysis to enhance cloud safety and functionality. The recommended approach ought to improve security without diminishing effectiveness. The published study is being examined to see whether there are any limitations in regards to cloud-based software security concerns. Transmission delay, error probability, and packet loss probability may all be reduced by employing an encrypted hybrid approach in cloud systems and socket-based high-performance mechanisms. We are evaluating the proposed model against state-of-the-art methods in the industry to determine its superiority in these areas. The purpose of this research is to learn more about the motivations for and any obstacles to the planned action. After reviewing the issue statement, this investigation will analyse the practical implementation of the planned task. The algorithm and mechanism of the Endeavour would explain the research methods that were used. The findings of the simulation would be provided, along with an explanation of the study's advantages over similar ones. We'll go through the many methods you may use to conduct this study in further detail below. The results of preliminary research may suggest interesting new avenues to investigate. In order to better secure the hybrid socket based strategy, researchers investigated the hybrid approach in order to categorise various forms of assaults.

Keywords: *Cloud computing, Distance learning, security, performance*

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

PROBLEMS AND PROSPECTS OF SMALL TEA GROWERS IN HIMACHAL PRADESH: A STUDY OF KANGRA AND MANDI DISTRICTS

Naresh Kumar¹ and Dr. Kuldeep Kumar²

¹Ph.D. Research Scholar, Department of Commerce, Himachal Pradesh University Shimla,

²Assistant Professor, Department of Commerce, Regional Centre, Himachal Pradesh University, Shimla

ABSTRACT

Tea is an aromatic beverage prepared by pouring hot or boiling water over cured or fresh leaves of camellia sinensis, an evergreen shrub native to East Asia, which probably originated in the border hands of South Western China and Northern Myanmar. Tea has a stimulating effect in human primarily due to its caffeine content. Tea production in small holding has been growing worldwide. The contribution of small tea plantations has been growing significantly and currently shares a good proportion in the total tea production in the country. The small tea growers (STGs) are an alternative tea model of tea cultivation that fosters the growth of entrepreneurship and provides both direct and indirect employment. Emergence of small tea growers (STGs) has made the country self-reliant in the production of the beverage and to meet domestic requirements and exports. STGs have also helped local economic conditions and livelihood of the people in the state of Himachal Pradesh. The land holding of 96 percent of Small Tea Growers of Himachal Pradesh is less than 0.5 hectare. The average annual production of tea is around 10 lakh kg of which 4000kg tea is exported to the UK, Germany and France. Himachal Pradesh Small Tea Growers contribute 59.2 percent of the total production. The present study is an attempt to identify major problems and future prospects of small tea growers in the state of Himachal Pradesh. The study is descriptive and analytical in nature for which data have been collected through primary as well as secondary sources. The study found major problems faced by Small Tea Growers like, lack of subsidy, high cost of transportation, high labour rates, high labour turnover, lack of knowledge, high effect of climate changes, low quality of tea leaves etc. The study highlighted significant suggestions to overcome the major problems faced by Small Tea Growers and to improve the production of Small Tea Growers.

Keywords: *Small Tea Growers, Average Annual Production, Tea Cultivation, Exports, Hectare.*

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

QUERICETINELOADED NONOFIBER- A NOVEL APPROACH IN HYPERTENSION

Rushikesh S Patil*, Dr Aparark Moholkar, Nnaishindan Suryawanshi and Nilesh Dhanve
Department of Pharmaceutics, Channabasweshwar Pharmacy College (Degree) Latur - 413512

ABSTRACT

One of the most well-known flavonoids, quercetin, has long been a part of the human diet. Numerous health benefits, such as those related to antioxidant, anti-inflammatory, antiviral, and anticancer properties, as well as the ability to mitigate certain cardiovascular diseases (such as heart disease, hypertension, and high blood cholesterol), have been linked to the use of quercetin. Nevertheless, quercetin's low bioavailability, chemical instability, and poor solubility in water severely restrict its range of uses. Delivery system use can increase the drug's bioavailability, stability, and effectiveness.

Flavonoid quercetin for its antibacterial, anticancer, and antioxidant properties is quercetin, which is present in high concentration in a variety of foods and plants. Quercetin is becoming more and more used in studies on wound dressings because of its superior capacity to scavenge reactive oxygen species. quercetin loaded polycaprolactone (PCL)/gelatin (GLN) electrospun nanofiber was synthesized and theirhypertensive activity was studied.sustained release of QT was demonstrated in vitro. These results reveal that CNF is an ideal natural nanoscale dietary carrier and offers high encapsulation efficiency for healthcare supplementation. This work also provides a promising nanoformulation candidate for managing sustained antioxidant and antihypertensive requirments.

Keywords: *quercetin, flavonoids, antioxidant, anti-inflammatory, electrospun nanofiber, polycaprolactone*

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

FINGERPRINT-BASED VOTING SYSTEM

Dr. Meena Arora, Shikhar Aryan, Sahil Sharma, Sagar Singh and Tushar Chauhan
Department of Information Technology, JSS Academy of Technical Education Noida, India

ABSTRACT

This paper introduces an online voting system that utilizes fingerprint technology, focusing on security and efficiency. Accurate fingerprint recognition is achieved through the implementation of the SecuGen Hamster Pro H20 device. The system incorporates a two-step verification process, including inputting the Aadhar number and conducting biometric checks against a voter details table. Once verified, voters can select their preferred candidate, and the system displays the winner once voting concludes. The project successfully ensures fair and transparent elections by emphasizing secure authentication, precise result computation, and transparent procedures. By providing a reliable platform for citizens to exercise their voting rights, this proposed system has the potential to strengthen democracy.

Keywords: KNN, Blockchain, Biometric, ATM, e-voting.

COMPARATIVE STUDY OF COVID PREDICTION IN CXR IMAGES USING HYBRID VGG19-SVM MODEL AND HYBRID CNN-LSTM MODEL

Ranjana Kumari¹, Rajesh Kumar Upadhyay² and Javed Wasim³

^{1,2}Department of Electrical and Electronics Engineering, Mangalayatan University, Aligarh, India

³Department of Computer Engineering and Applications, Mangalayatan University, Aligarh, India

ABSTRACT

COVID-19 was thought to be the most lethal and devastating disease for humans caused by the novel coronavirus currently. Accurate diagnosis may lead to earlier COVID-19 discovery and lower patient mortality, especially in instances without evident symptoms. The majority of the time, chest X-ray (CXR) images are used to diagnose this illness. Patients who are infected with coronavirus exhibit symptoms that were very similar to those of pneumonia, and the virus targets body's respiratory organs, making breathing difficult. This paper presented a Comparative study between hybrid VGG19-SVM model and Hybrid CNN-LSTM Model for identifying COVID-19 patients in CXR based on wild horse optimizer (WHO) based K-means segmentation to address these problems as well as long short term memory and convolution neural network. The proposed VGG19-SVM segmentation algorithm comprises four phases such as data gathering, pre-processing, segmentation and COVID-19 detection. In the other hand CNN-LSTM Algorithm comprises data collection, pre-processing, watershed segmentation and COVID-19 Prediction. CXR data were gathered from medical Internet of Things (IoT) devices. In the case of VGG19-SVM, Image pre-processing was performed with the assistance of image resizing, Markov random field (MRF) and adaptive gamma correction (AGC). Then, the proposed WHO based K-clustering is used to segment the affected portion of lung CXR effectively. The hybrid classification approach is introduced based on the combination of VGG19 and SVM, which is employed to classify if the patient is in normal condition either COVID-19, pneumonia or tuberculosis. Thus, various existing methods such as VGG19, AlexNet, VGG16 and GoogleNet are taken in this analysis. On the other hand in case of Hybrid CNN-LSTM input image is pre-processed using Anisotropic diffusion filtering and Adaptive gamma correction for achieving noise removal and enhancing contrast, then the required region for prediction is segmented from the image using the watershed segmentation technique. The proposed VGG19-SVM attained 0.96 of F1_score, 0.97 of NPV, 0.07 FNR and 0.008 of FPR, when compared to the existing methods obtained better findings using DL techniques. the proposed Hybrid CNN-LSTM attained accuracy, precision, specificity and error value is 97%,96%,94%and 3%respectively. This shows the effectiveness of the proposed WHO based K-means clustering algorithm based hybrid VGG19-SVM model and hybrid CNN-LSTM model which can be useful for segment the CXR images.

Keywords: Wild horse optimizer, Support vector machine, adaptive gamma correction, Markov random field, VGG-19 and K-means clustering, anisotropic filtering, segmentation, long short term memory, convolution neural network.

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

SECURING HEALTHCARE DATA IN IOT ENVIRONMENTS: A BLOCKCHAIN-BASED APPROACH FOR IMAGE STORAGE AND INTEGRITY

¹Niyati Jain and ²Dr. Kavita Mittal

¹Research Scholar and ²Associate Professor, Jagannath University, NCR, Haryana

ABSTRACT

The proliferation of Internet of Things (IoT) devices in healthcare has ushered in unprecedented opportunities for efficient disease detection and patient monitoring. However, this surge in connectivity has brought to the forefront significant concerns regarding the security and integrity of sensitive healthcare data. Notably, medical imaging datasets, such as Brain MRI and Kidney stone images, are particularly vulnerable to unauthorized access and tampering, posing serious risks to patient privacy and diagnostic accuracy. This research aims to address the critical issue of data security in healthcare IoT environments, focusing on the storage of digital medical images over blockchain technology. Leveraging the decentralized and immutable nature of blockchain, this study seeks to enhance the integrity and confidentiality of healthcare data, especially high-value imaging datasets crucial for disease detection and diagnosis.

Keywords: *Healthcare, IoT, Blockchain, Image Storage, Data Security, Disease Detection*

ABSTRACT

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

SECURITY ENHANCEMENT BY MAKING USE OF BLOCKCHAIN DURING BIG DATA PROCESSING

¹Sugandha and ²Dr. Kavita Mittal

¹Research Scholar and ²Associate Professor, Jagannath University, NCR, Haryana

ABSTRACT

Due to the vast number, diversity, and velocity of transactions and accompanying information, digital assets, including Non-Fungible Tokens (NFTs), may be regarded a kind of big data when evaluated collectively. This is because of the fact that NFTs belong to the category of digital assets. When it comes to the processing of such data, the use of blockchain technology might potentially increase security in a variety of different ways. Blockchain, which is a distributed and decentralized ledger, provides a record of transactions that is both accessible and immutable. Blockchain is a distributed record of transactions. When it is used to the processing of large amounts of data in the form of NFT, it is feasible to manage a wide range of security issues. This paper is focused on security enhancement of big data that is form of NFT over blockchain.

Keywords: Big data, Security, Blockchain, Decentralization, NFT

VENTURI FEEDER TYPES AND ITS IMPACT ON DIFFERENT APPLICATIONS IN POWDER CONVEYING SYSTEMS, A CASE STUDY

J Phani Krishna¹, Kiran Barade² and Pratik Kardile³

¹Team leader, Conveying Engineering, Rieco industries Limited, Pune, Maharashtra, India

²Lead Engineer, Conveying Engineering, Rieco industries Limited, Pune, Maharashtra, India

³Engineer, Conveying Engineering, Rieco industries Limited, Pune, Maharashtra, India

ABSTRACT

A general physics-based venturi works by converting the medium's pressure energy into its velocity energy, which can then be used to convey solid. The main factors determining the parameters of a venturi-based pneumatic conveying system usually based on questions What is the product to be conveyed? What product volume and weight needs conveying over time? What distance does the product need to be conveyed? Venturi eductors are best for conveying products that are abrasive, fine, fragile or irregularly shaped. However, they can be used to transport most types of bulk powder, pellets and granular products.

Venturi as a feeding device is a static device without any moving parts, which injects solids into high pressure gas/air for onward pneumatic conveying. Venturi based pneumatic conveying system is widely used for conveying various types of bulk solids. Minimum throat angle and smooth construction help powder particles to move through it.

The current paper shares various case studies from different applications using the pneumatic conveying system transport. These details helpful for the designers, system engineers in evaluation the feed characteristics and its importance while designing the system and at same, gives awareness to the system operators the essential parameters to agree which are needed for desired output.

Keywords: *Pneumatic conveying system, Eductor, Venturi, Free Flow.*

ABSTRACT

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

EXPLORING THE DYNAMICS OF HUMAN-AI INTERACTION: IMPACTS ON SOCIAL RELATIONSHIPS AND COLLABORATION

Dr. Gazala Bhoje

Associate Professor, Head Department of Sociology, G. M. Momin Women's College, Bhiwandi

ABSTRACT

This research paper delves into the intricate interplay between humans and artificial intelligence (AI), investigating how AI technologies influence human relationships and social interactions. It examines the evolving landscape of human-AI collaboration and communication, shedding light on the social dynamics that shape these interactions. Through a multidisciplinary lens, this paper explores the implications of AI integration into various aspects of daily life and its potential effects on the fabric of social relationships.

Keywords: Interaction, Algorithm, relationship, communication.

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

AI HORIZON: ILLUMINATING THE FUTURE OF MARKETING

Ms. Rajeswari. K¹ and Dr. R.V. Suganya^{2*}

¹Research Scholar (Part Time), Vels Institute of Science Technology and Advanced Studies

²Assistant Professor, Department of Commerce and Assistant Director – Academic Courses (UGC), Vels
Institute of Science Technology and Advanced Studies

INTRODUCTION

"AI Horizon: Illuminating the Future of Marketing, Consumer Behavior, and Psychology" is a groundbreaking exploration into the transformative role of artificial intelligence in shaping the landscape of marketing, understanding consumer behavior, and advancing the field of psychology. As we stand at the intersection of technology and human psychology, this book delves into the profound impact that AI is having on these interconnected domains, offering a visionary glimpse into what lies ahead. In an era where AI has evolved from being a mere buzzword to a powerful tool that businesses, researchers, and psychologists can harness, this book serves as a beacon, guiding readers through the vast possibilities and potential challenges of this AI-driven future. From personalized marketing strategies that leverage AI's predictive capabilities to the ethical considerations surrounding data privacy and psychological profiling, "AI Horizon" navigates the complex terrain of AI's convergence with marketing and psychology. Readers will embark on a journey through the latest AI-driven innovations, exploring how machine learning, natural language processing, and neural networks are revolutionizing advertising, customer engagement, and market research. Additionally, the book delves into the ways in which AI is reshaping our understanding of human behavior, shedding light on the intricate workings of the mind through advanced data analytics and psychological insights. With expert perspectives, real-world case studies, and thought-provoking discussions, "AI Horizon" equips readers with the knowledge they need to navigate the evolving AI landscape. Whether you are a marketing professional seeking to harness the power of AI, a researcher exploring the frontiers of consumer behavior, or a psychologist interested in the evolving field of AI psychology, this book offers an illuminating glimpse into the exciting future where AI and human expertise converge to reshape our world.

2nd International Conference on Application of Artificial Intelligence and Internet of Things in
Management, Science and Technology
Organized By
Indian Academicians and Researchers Association (IARA)
16th December 2023

THE GENDER ADVANTAGE: WOMEN WHO MISUSE & MEN WHO BEARS IT IN INDIAN LEGAL SYSTEM

Rajat

Research Scholar, Baba Mastnath University, Asthal Bohar, Rohtak, Haryana

ABSTRACT

To be born a man in India is a crime. And to marry an Indian girl is a heinous crime. And this is because of anti-men laws in the name of laws to protect women. India regularly gets hauled over the coals for its shabby treatment of women but never gave a thought about women harassing a man? Most of the matrimonial / domestic complaints are filed in the heat of the moment over trivial and false and concocted issues and women were not visualizing the “implications and consequences” of registering these criminal complaint against their abusive husbands. The only way to stop such cases is to work towards rigorous prosecution of all false cases and false pieces of evidence, including the wrong investigation by police. Indian society laughs on a man when he says he has been raped. India ridicules any complaint about male rape. Indian feminists and society think that only men are perpetrators of a heinous crime like rape and they don't get that even women can rape a man. One could list at great length of many problems that afflict men today, including the male suicide epidemic, the paucity of resources for male victims of domestic violence and the falling behind of young men and boys in education. There is a lack of mainstream acceptance of systemic men's issues which is compounded by the absence of male advocacy groups with a broad remit to make the case at a political level and the level of the media. It is time to recognize their problem as a social and public health issue and develop appropriate strategies and interventions. They are no longer stronger than women. They need help in crisis and family violence: Particularly violence by a spouse is a crisis. Male victims of violence can be saved/helped through appropriate intervention such as recognition of violence against men by women as a public health issue; helpline for the male victims of violence; and education, awareness, and legal safeguards.

Keywords: Gender advantage, false and concocted complaints, bad implication and consequences, wrong investigation, masculine legal crisis.

**ASSESS THE KNOWLEDGE REGARDING PREVENTION AND MANAGEMENT OF
CHILDHOOD EMERGENCIES AMONGMOTHERS OF UNDER FIVE CHILDREN AT
ARILOVA, VISAKAHAPATNAM**

Mrs. K. Sridevi¹ and Dr. Kuldeep Singh Gurjar²
Phd Scholar¹ and Guide², Mangalyatan University, Aligarh, U.P

ABSTRACT

A descriptive study was undertaken to assess the knowledge regarding prevention and management of childhood emergencies among mothers of under five children at Arilova, Visakhapatnam. The study was conducted by Mrs.K.Sridevi ,PhD Scholar from Managalyatan University ,Aligarh, ,U.P

The objectives of the study are: 1) To assess the knowledge ofmothers regarding childhood emergencies of under five children. 2) To find the association between knowledge and demographic variables. 3) To prepare and distribute information booklet to the mothersregarding prevention and management of childhood emergencies.

The child is most precious possession of mankind, most loved and most perfect in its innocence.Children are the most important age group in all societies. Children are major consumers of health care.They always need special care to survive and thrive.

In India about 41.2% of total population is children below 5years. The childhood period is vital because of socialization process by transmission of attitude, customs and behaviour through the influence of family and community.

Unintentional events or wrong doing ranks fourth place among the leading cause of death of children in India. Today's modern risk results from the unsafe, use of dangerous chemicals and toys andhousehold products harm to the children, poisoning and drowning are more frequent in toddlers, prevention and provision of initial care can reduce the incidence of childhood emergencies.

Methodology: *The research study design adopted for the present study was a quantitative study design. The population for the present study consists of mothers of under five children. A structured questionnaire was used to assess the knowledge regarding prevention and management of childhood emergencies among mothers of under five children. The pilot study was conducted on 5 mothers of under five children with the help of a structured questionnaire. Thetool was found feasible. The study was conducted on 50 mothers of under five children by using systematic random sampling technique with the help of structured questionnaire from 28-12-2023 to 05-01-2024.*

The Findings are: *The knowledge scores of mothers of under five children regarding prevention and management of childhood emergencies were majority of mothers 34 (68%) had average knowledge and 13 (26%) mothers had above average knowledge and only 3 (6%) mothers had below average knowledge. The mean score was 21.9, median score was 21.9, mode score was 21.9 and standard deviation was 5.62. The chi-square value was computed to find an association between knowledge and demographic variables. There was a significant association of knowledge found with education, occupation and number of children in household. There was no significant association of knowledge found with age and socioeconomic status. Information module was prepared on prevention and management of childhood emergencies and given to all the mothers to improve their knowledge in enabling them to take appropriate measures regarding prevention and management of childhoodemergencies among their under five children.*

Conclusion: *The data was collected from 50 mothers of under five children at Arilova, Visakhapatnam. The study findings reveals that out of 50 mothers of under five children the highest sample 34 (68%) mothers had average knowledge, 13 (26%) mothers had above average knowledge and only 3 (6%) mothers had below average knowledge. There is a need for further improvement of knowledge and mothers were encouraged to improve their knowledge by giving information module on prevention and management of childhood emergencies.*

Keywords: *Under five Children, Child hood emergencies, prevention and management.*

www.iaraedu.com

Journal

Volume 7, Issue 2 (I)
April – June 2020

ISSN 2394 - 7780

International Journal of
Advance and Innovative Research



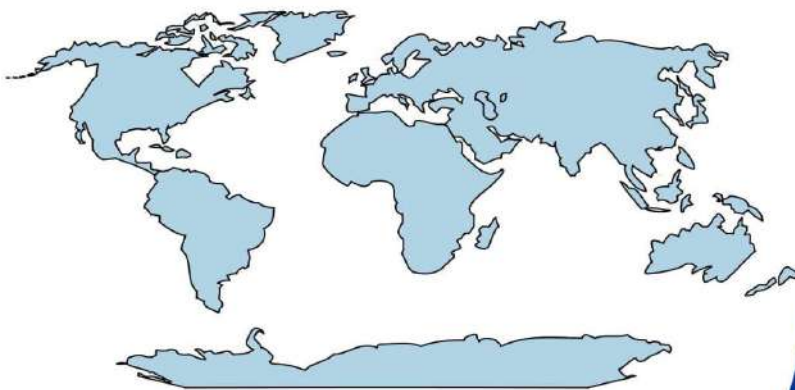
Indian Academicians and Researchers Association
www.iaraedu.com

www.iaraedu.com

Journal

ISSN 2322 - 0899

**INTERNATIONAL JOURNAL OF RESEARCH
IN MANAGEMENT & SOCIAL SCIENCE**



Volume 8, Issue 2
April - June 2020

www.iaraedu.com

Journal

ISSN 2394 - 9554

**International Journal of Research in
Science and Technology**

Volume 6, Issue 2: April - June 2019



Indian Academicians and Researchers Association

www.iaraedu.com

IARA Organized its 1st International Dissertation & Doctoral Thesis Award in September'2019

1st International Dissertation & Doctoral Thesis Award (2019)



Organized By



Indian Academicians and Researchers Association (IARA)



**IARA has organized more than 35
International Conferences at
various locations in India.**

**It has collaborated with more than
115 Institutes for organizing
International & National
Conferences all over India.**

Visit www.iaraedu.com for Details

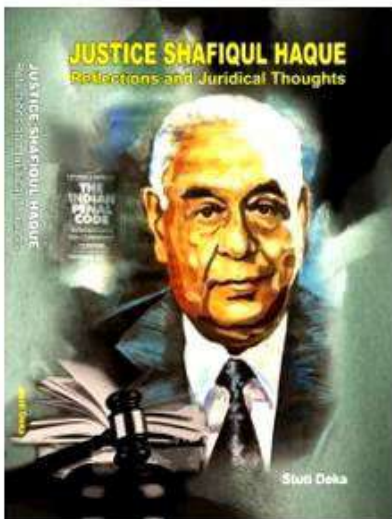


EMPYREAL PUBLISHING HOUSE

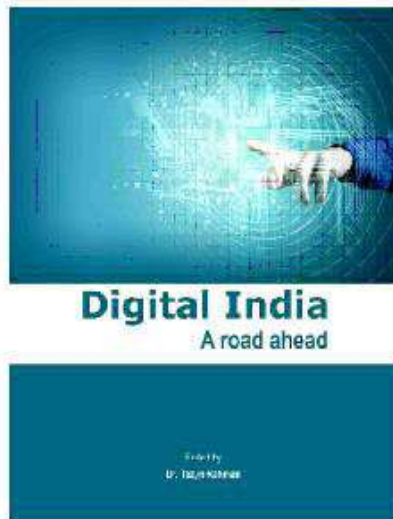
www.editedbook.in

**Publish Your Book, Your Thesis into Book or
Become an Editor of an Edited Book with ISBN**

BOOKS PUBLISHED



Dr. Stuti Deka
ISBN : 978-81-930928-1-1



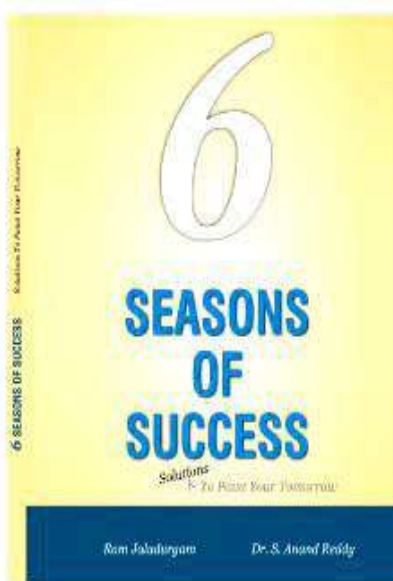
Dr. Tazyn Rahman
ISBN : 978-81-930928-0-4



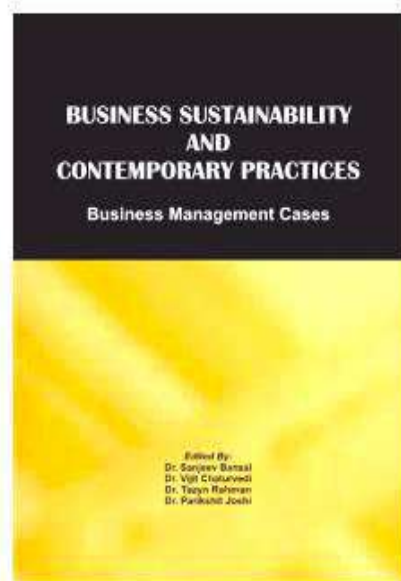
Mr. Dinbandhu Singh
ISBN : 978-81-930928-3-5



Dr. Ismail Thamarasseril
ISBN : 978-81-930928-2-8



Ram Jaladurgam
Dr. S. Anand Reddy
ISBN : 978-81-930928-5-9



Dr. Sanjeev Bansal, Dr. Vijit Chaturvedi
Dr. Tazyn Rahman, Dr. Parikshit Joshi
ISBN : 978-81-930928-6-6

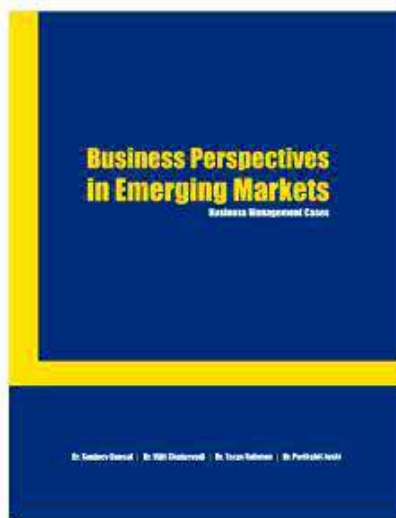


ALGORITHMIC COMPOSITION

In
Hindustani Music

Ashish Kumar Sinha
Dr. Soubhik Chakraborty
Dr. Amritanjali

Ashish Kumar Sinha, Dr. Soubhik Chakraborty
Dr. Amritanjali
ISBN : 978-81-930928-8-0



**Business Perspectives
in Emerging Markets**
Business Management Cases

Dr. Sanjeev Bansal | Dr. Viji Chandrasekaran | Dr. Tazyn Rahman | Dr. Parikshit Joshi

Dr. Sanjeev Bansal, Dr. Viji Chandrasekaran
Dr. Tazyn Rahman, Dr. Parikshit Joshi
ISBN : 978-81-936264-0-5



**Performance Management Practices
in IT COMPANIES**



Dr. Jyotsna Golhar
Dr. Sujit Metre

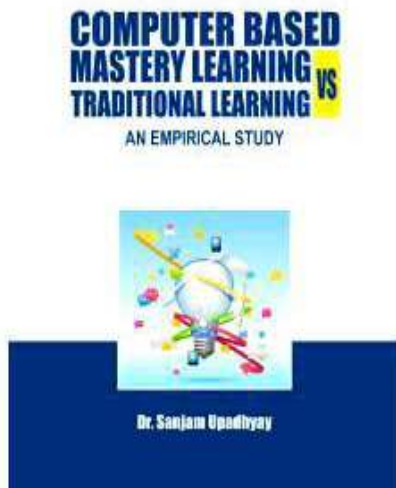
Dr. Jyotsna Golhar
Dr. Sujit Metre
ISBN : 978-81-936264-6-7



FINANCIAL PERFORMANCE EVALUATION OF
Product Innovation

Dr. Aarushi Kataria

Dr. Aarushi Kataria
ISBN : 978-81-936264-3-6

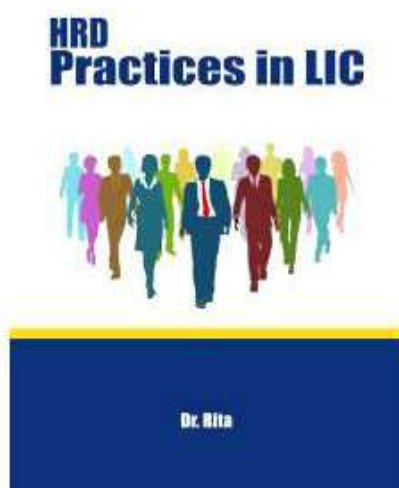


**COMPUTER BASED
MASTERY LEARNING VS
TRADITIONAL LEARNING**

AN EMPIRICAL STUDY

Dr. Sanjam Upadhyay

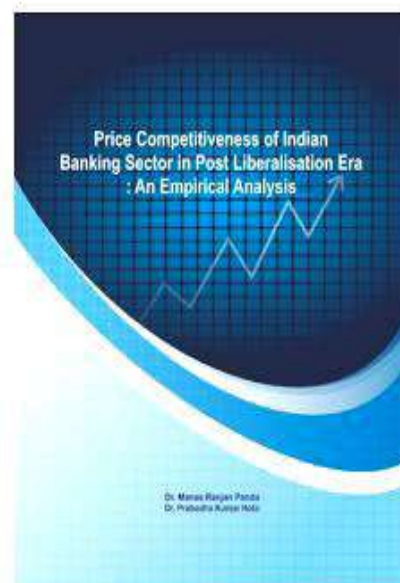
Dr. Sanjam Upadhyay
ISBN : 978-81-936264-5-0



**HRD
Practices in LIC**

Dr. Rita

Dr. Rita
ISBN : 978-81-930928-7-3



Price Competitiveness of Indian
Banking Sector in Post Liberalisation Era
: An Empirical Analysis

Dr. Manas Ranjan Panda
Dr. Prabodha Kr. Hota

Dr. Manas Ranjan Panda, Dr. Prabodha Kr. Hota
ISBN : 978-81-930928-4-2



**NATIONAL CONFERENCE ON INNOVATIVE
TRENDS IN CIVIL ENGINEERING**

April 13 - 14, 2018



DEPARTMENT OF CIVIL ENGINEERING
**POORNIMA
UNIVERSITY**
PROCEEDINGS

ISBN : 978-81-936264-7-4

Poomima University
ISBN : 978-8193-6264-74



**MIDITOC
2K18**

**PROCEEDINGS OF
THE CONFERENCE
ON
MARKETING IN DIGITAL INDIA:
TRENDS, OPPORTUNITIES & CHALLENGES**

THEME: INDIA INTERNET MARKETING
18th - 20th FEBRUARY, 2018



Conference Co-Chairman
Dr. J. Ramakrishna
A. Ramakrishna

Institute of Public Enterprise
ISBN : 978-8193-6264-4-3

Vitamin D Supplementation in SGA Babies



Dr. Jyothi Naik
Prof. Dr. Syed Manazir Ali
Dr. Uzma Firdaus
Prof. Dr. Jamal Ahmed

Dr. Jyothi Naik, Prof. Dr. Syed Manazir Ali
Dr. Uzma Firdaus, Prof. Dr. Jamal Ahmed
ISBN : 978-81-936264-9-8



Gold Nanoparticles: Plasmonic Aspects And Applications

Dr. Abhitosh Kedia
Dr. Pandian Senthil Kumar

Dr. Abhitosh Kedia
Dr. Pandian Senthil Kumar
ISBN : 978-81-939070-0-9

Social Media Marketing and Consumer Behavior



Dr. Vinod S. Chandwani

Dr. Vinod
S. Chandwani
ISBN : 978-81-939070-2-3

Select Research Papers of

Prof. Dr. Dhananjay Awasarikar



Prof. Dr. Dhananjay Awasarikar

Prof. Dr. Dhananjay
Awasarikar
ISBN : 978-81-939070-1-6

Recent ReseaRch Trends in ManageMent



Dr. C. Samudhra Rajakumar
Dr. M. Ramesh
Dr. C. Kathiravan
Dr. Rincy V. Mathew

Dr. C. Samudhra Rajakumar, Dr. M. Ramesh
Dr. C. Kathiravan, Dr. Rincy V. Mathew
ISBN : 978-81-939070-4-7

Recent ReseaRch Trends in Social Science



Dr. C. Samudhra Rajakumar
Dr. M. Ramesh
Dr. C. Kathiravan
Dr. Rincy V. Mathew

Dr. C. Samudhra Rajakumar, Dr. M. Ramesh
Dr. C. Kathiravan, Dr. Rincy V. Mathew
ISBN : 978-81-939070-6-1

Recent Research Trend in Business Administration



Dr. C. Samudhra Rajakumar
Dr. M. Ramesh
Dr. C. Kathiravan
Dr. Rincy V. Mathew

Dr. C. Samudhra Rajakumar, Dr. M. Ramesh
Dr. C. Kathiravan, Dr. Rincy V. Mathew
ISBN : 978-81-939070-7-8

Recent Innovations in Biosustainability and Environmental Research II



Dr. V. I. Paul
Dr. M. Muthulingam
Dr. A. Elangovan
Dr. J. Nelson Samuel Jebastin

Dr. V. I. Paul, Dr. M. Muthulingam
Dr. A. Elangovan, Dr. J. Nelson Samuel Jebastin
ISBN : 978-81-939070-9-2

Teacher Education: Challenges Ahead



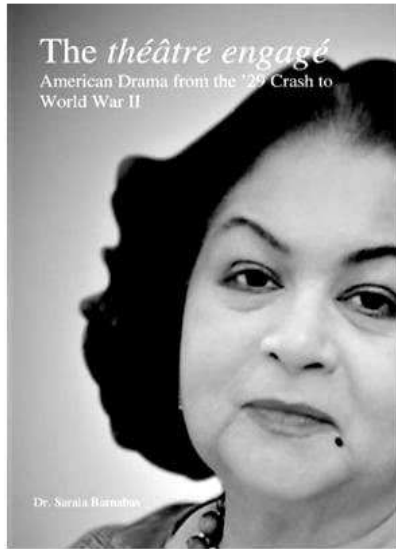
Sajid Jamal
Mohd Shakir

Sajid Jamal
Mohd Shakir
ISBN : 978-81-939070-8-5

Project Management



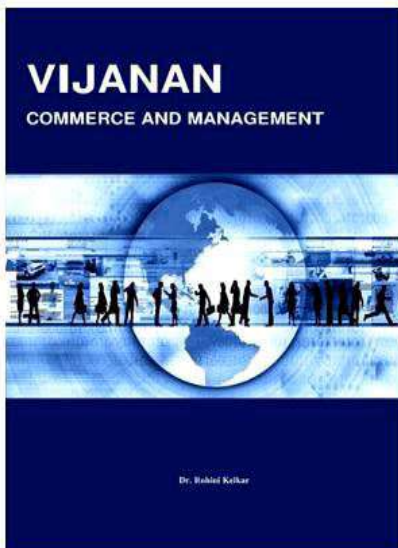
Dr. R. Emmaniel
ISBN : 978-81-939070-3-0



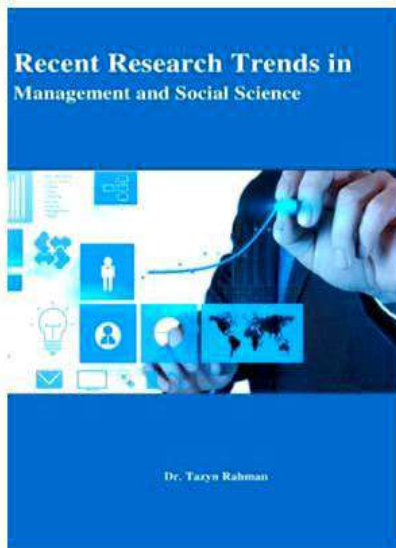
Dr. Sarala Barnabas
ISBN : 978-81-941253-3-4



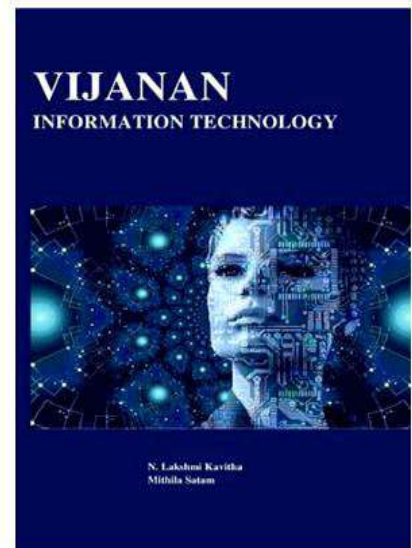
Dr. M. Banumathi
Dr. C. Samudhra Rajakumar
ISBN : 978-81-939070-5-4



Dr. (Mrs.) Rohini Kelkar
ISBN : 978-81-941253-0-3



Dr. Tazyn Rahman
ISBN : 978-81-941253-2-7



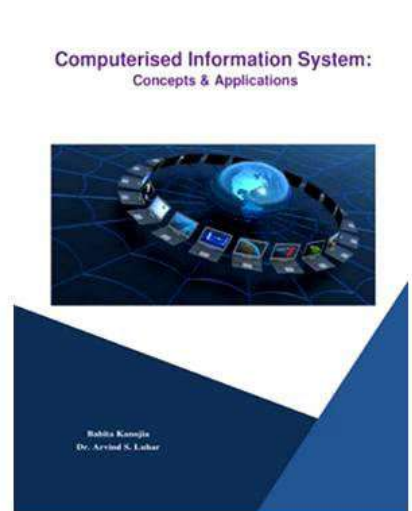
Dr. N. Lakshmi Kavitha
Mithila Satam
ISBN : 978-81-941253-1-0



Dr. Hiresk Luhar
Prof. Arti Sharma
ISBN : 978-81-941253-4-1



Dr. Hiresk S. Luhar
Dr. Ashok S. Luhar
ISBN : 978-81-941253-5-8



Dr. Babita Kanojia
Dr. Arvind S. Luhar
ISBN : 978-81-941253-7-2

SKILLS FOR SUCCESS



SK Nathan
SW Rajamonaharane

Dr. Sw Rajamonaharane
SK Nathan
ISBN : 978-81-942475-0-0

Witness Protection Regime An Indian Perspective



Aditi Sharma

Aditi Sharma
ISBN : 978-81-941253-8-9

Self-Finance Courses: Popularity & Financial Viability



Dr. Ashok S. Luhar
Dr. Hiresh S. Luhar

Dr. Ashok S. Luhar
Dr. Hiresh S. Luhar
ISBN : 978-81-941253-6-5

SMALL SCALE INDUSTRIES MANAGEMENT Issues, Challenges and Opportunities



Dr. B. Augustine Arockiaraj

Dr. B. Augustine Arockiaraj
ISBN : 978-81-941253-9-6



SPOILAGE OF VALUABLE SPICES BY MICROBES

Dr. Kuljinder Kaur

Dr. Kuljinder Kaur
ISBN : 978-81-942475-4-8

Financial Capability of Students: An Increasing Challenge in Indian Economy

Dr. Priyanka Malik



Dr. Priyanka Malik
ISBN : 978-81-942475-1-7

THE RELATIONSHIP BETWEEN ORGANIZATION CULTURE AND EMPLOYEE PERFORMANCE: HOSPITALITY SECTOR



Dr. Rekha P. Khosla

Dr. Rekha P. Khosla
ISBN : 978-81-942475-2-4

A GUIDE TO

TWIN LOBE BLOWER AND ROOT BLOWER TECHNIQUE



Dilip Pandurang Deshmukh

Dilip Pandurang Deshmukh
ISBN : 978-81-942475-3-1



SILVER JUBILEE COMMEMORATIVE LECTURE SERIES 2019-SNGC

Dr. D. Kalpana
Dr. M. Thangavel

Dr. D. Kalpana, Dr. M. Thangavel
ISBN : 978-81-942475-5-5



Indian Commodity Futures and Spot Markets

Dr. Aloysius Edward J

Dr. Aloysius Edward J.
ISBN : 978-81-942475-7-9



Correlates of Burnout Syndrome Among Servicemen

Dr. Rosemary Ohiagueri Ekechukwu

Dr. R. O. Ekechukwu
ISBN : 978-81-942475-8-6

Advances in Mathematical Sciences

(A Collection of Survey Research Articles)

Edited By
Dr. Zakir Ahmed



Dr. Zakir Ahmed
ISBN : 978-81-942475-9-3

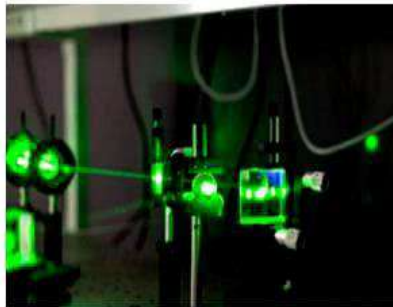
Fair Value Measurement

Challenges and Perceptions

Dr. (CA) Ajit S. Joshi
Dr. Arvind S. Luhar



Dr. (CA) Ajit S. Joshi
Dr. Arvind S. Luhar
ISBN : 978-81-942475-6-2



NONLINEAR OPTICAL CRYSTALS FOR LASER Growth and Analysis Techniques

Madhav N Rode
Dilipkumar V Mehsram

Madhav N Rode
Dilip Kumar V Mehsram
ISBN : 978-81-943209-6-8



Remote Sensing of River Pollution And Agricultural Soils

Dr. Saif Said
Mr. Shadab Ali Khan

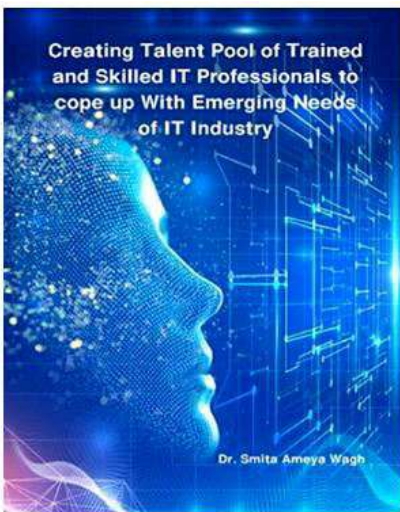


Dr. Saif Said
Shadab Ali Khan
ISBN : 978-81-943209-1-3

Creating Talent Pool of Trained and Skilled IT Professionals to cope up With Emerging Needs of IT Industry

Dr. Smita Ameya Wagh

Dr. Smita Ameya Wagh
ISBN : 978-81-943209-9-9



Radio (FM) Advertising and Consumer Behavior

Dr. Mahesh Mukund Deshpande

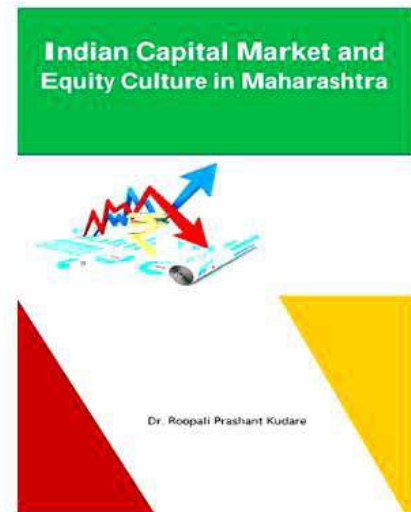
Dr. Mahesh Mukund Deshpande
ISBN : 978-81-943209-7-5

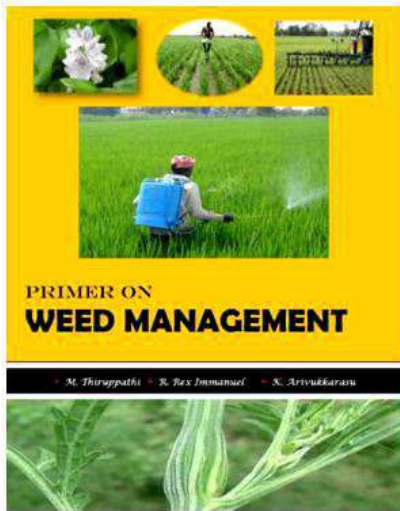


Indian Capital Market and Equity Culture in Maharashtra

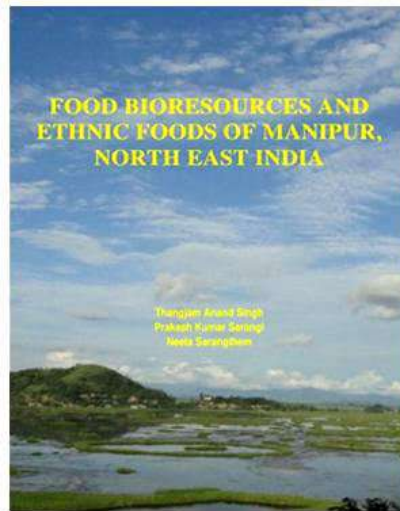
Dr. Roopali Prashant Kudare

Dr. Roopali Prashant Kudare
ISBN : 978-81-943209-3-7

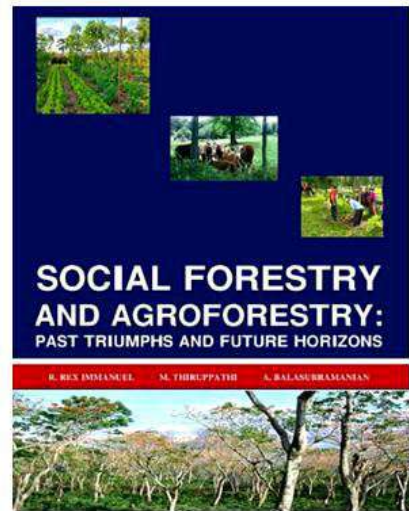




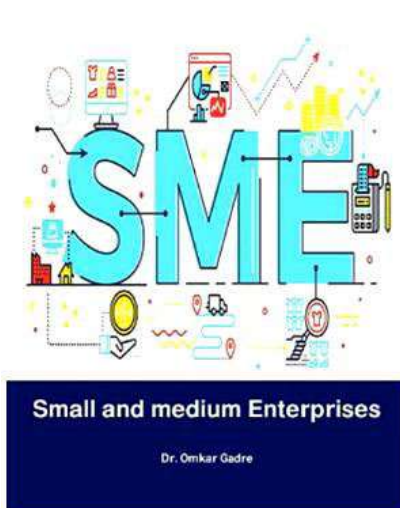
M. Thiruppathi
R. Rex Immanuel
K. Arivukkarasu
ISBN : 978-81-930928-9-7



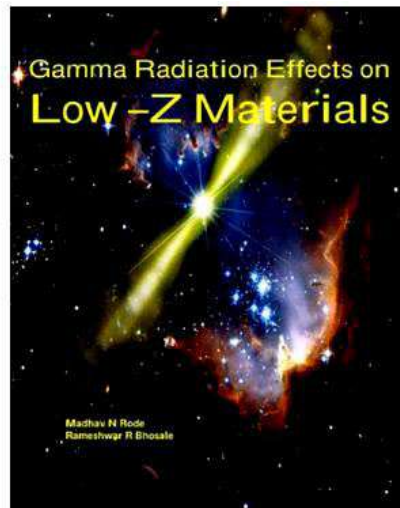
Dr. Th. Anand Singh
Dr. Prakash K. Sarangi
Dr. Neeta Sarangthem
ISBN : 978-81-944069-0-7



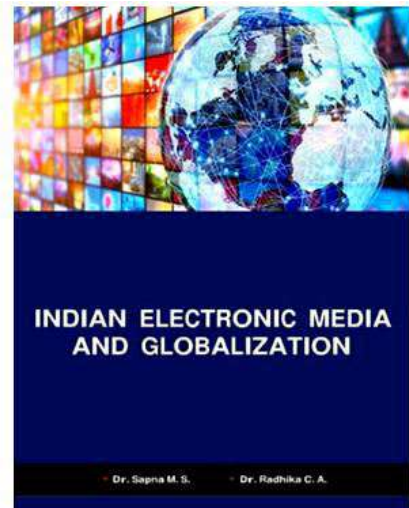
R. Rex Immanuel
M. Thiruppathi
A. Balasubramanian
ISBN : 978-81-943209-4-4



Dr. Omkar V. Gadre
ISBN : 978-81-943209-8-2



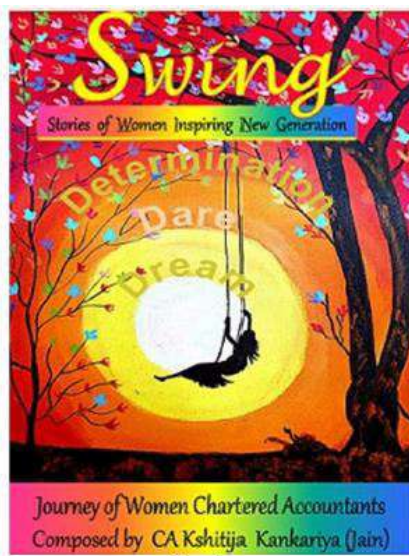
Madhav N Rode
Rameshwar R. Bhosale
ISBN : 978-81-943209-5-1



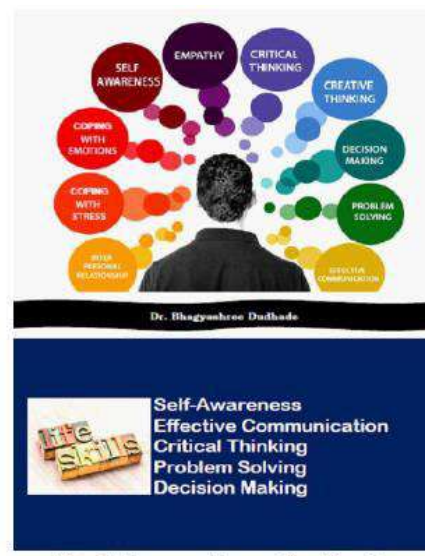
Dr. Sapna M S
Dr. Radhika C A
ISBN : 978-81-943209-0-6



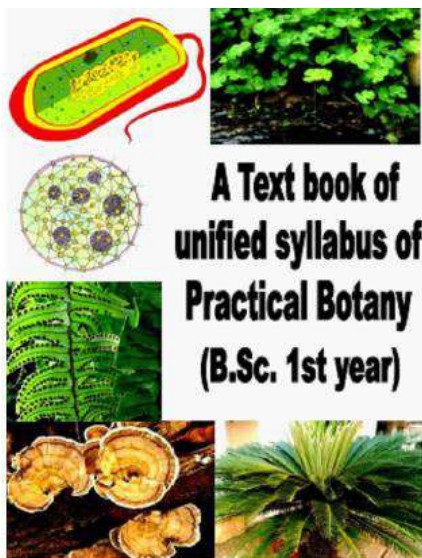
Hindusthan College
ISBN : 978-81-944813-8-6



Swing
ISSN: 978-81-944813-9-3

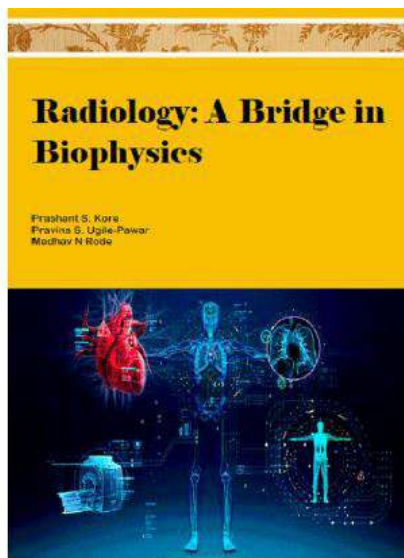


Dr. Bhagyashree Dudhade
ISBN : 978-81-944069-5-2



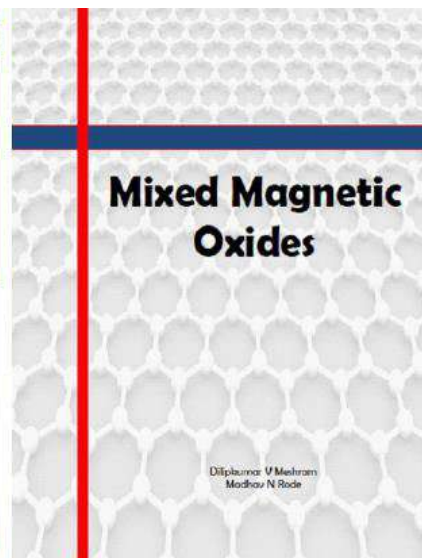
S. Saad, S. Bushra, A.A. Khan

S. Saad, S. Bushra, A. A. Khan
ISBN: 978-81-944069-9-0



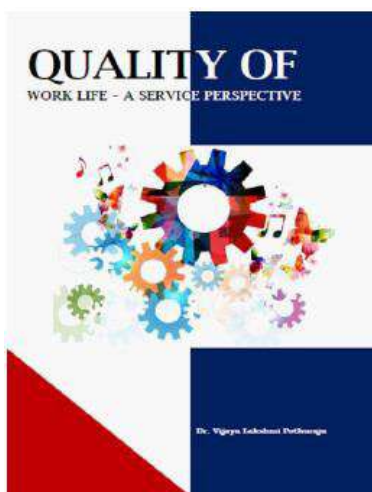
Prashant S. Kore
Pravina S. Ugile-Pawar
Madhav N Rode

Prashant S. Kore
Pravina S. Ugile-Pawar
Madhav N Rode
ISSN: 978-81-944069-7-6



Dilipkumar V Meshram
Madhav N Rode

Dilipkumar V Meshram and
Madhav N Rode
ISSN: 978-81-944069-6-9



Dr. Vijaya Lakshmi Pothuraju

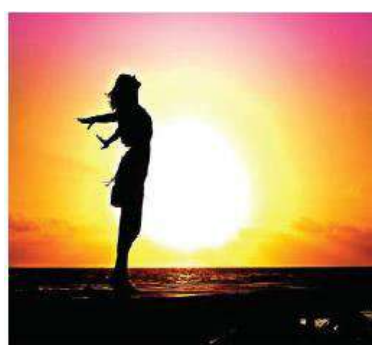
Dr. Vijaya Lakshmi Pothuraju
ISBN : 978-81-943209-2-0



Pratibha College
ISBN : 978-81-944813-2-4

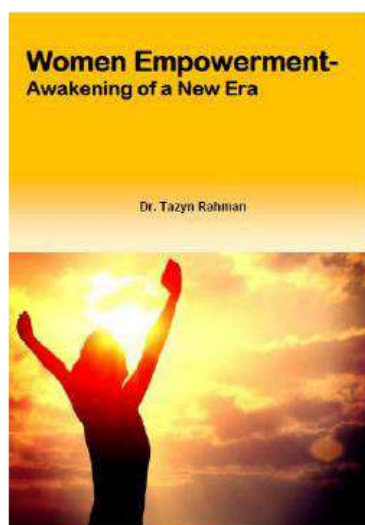


Pratibha College
ISBN : 978-81-944813-3-1



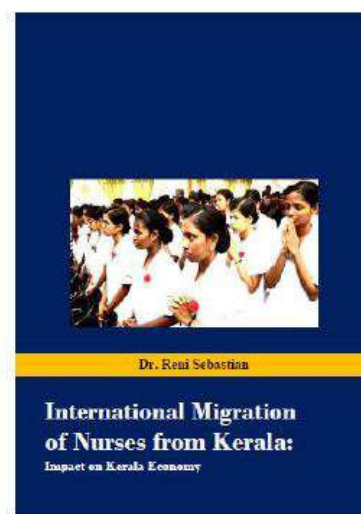
Dr. Tazyn Rahman

Dr. Tazyn Rahman
ISBN : 978-81-936264-1-2



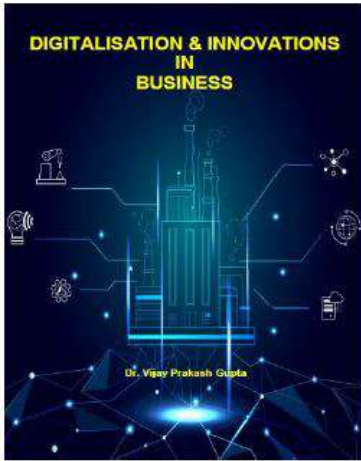
Dr. Tazyn Rahman

Dr. Tazyn Rahman
ISBN : 978-81-944813-5-5

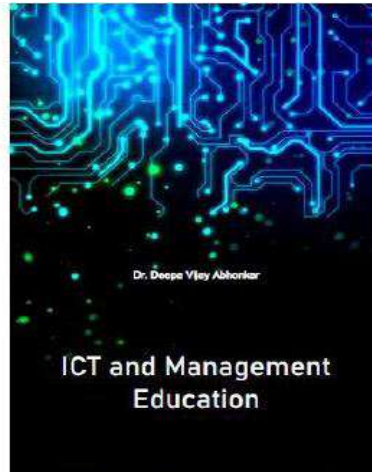


Dr. Reni Sebastian

Dr. Reni Sebastian
ISBN : 978-81-944069-2-1



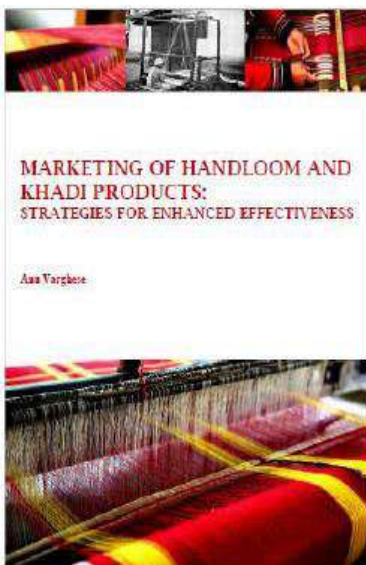
Dr. Vijay Prakash Gupta
ISBN : 978-81-944813-1-7



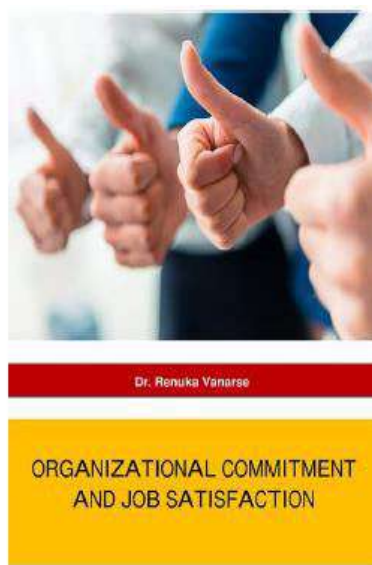
Dr. Deepa Vijay Abhonkar
ISBN : 978-81-944813-6-2



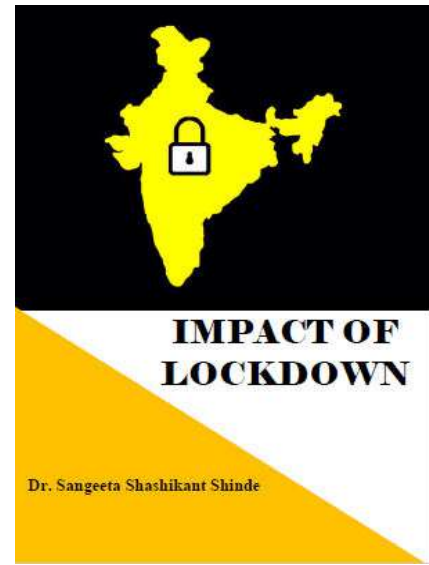
Arasu Engineering College
ISSN: 978-81-944813-4-8



Dr. Anu Varghese
ISBN : 978-81-944069-4-5



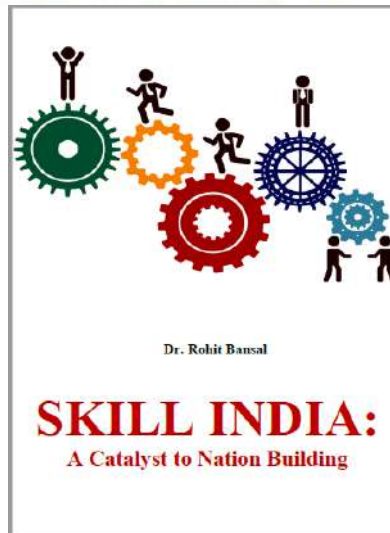
Dr. Renuka Vanarse
ISBN : 978-81-944069-1-4



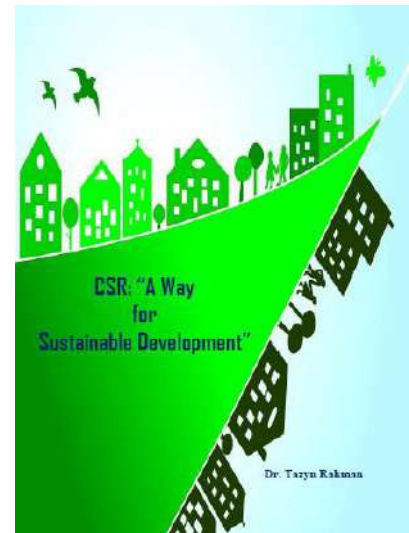
Dr. Sangeeta Shashikant Shinde
ISBN: 978-81-946373-3-2



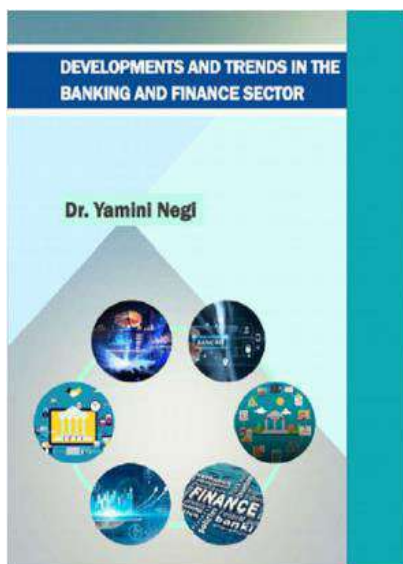
Sampurna Nand Mehta & Dr. Tazyn Rahman
ISBN: 978-81-946373-5-6



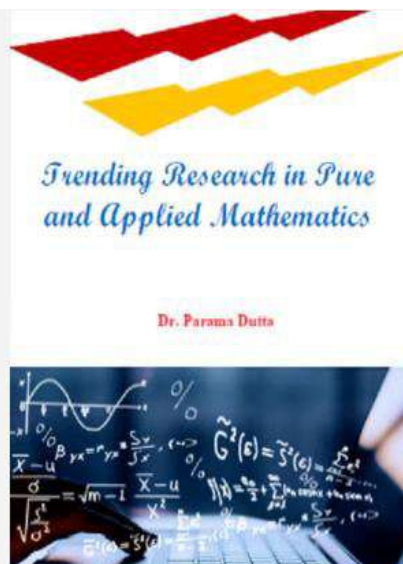
Dr. Rohit Bansal
ISBN: 978-81-946373-4-9



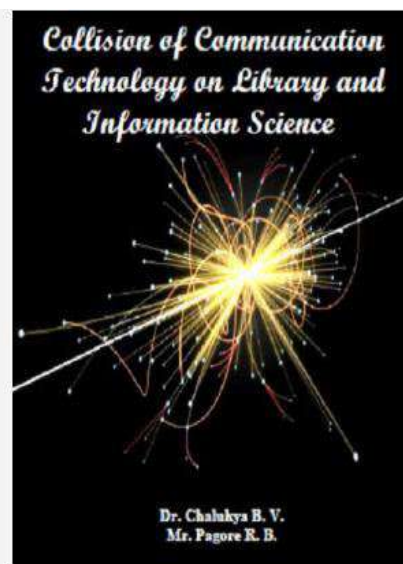
Dr. Tazyn Rahman
ISBN: 978-81-946373-6-3



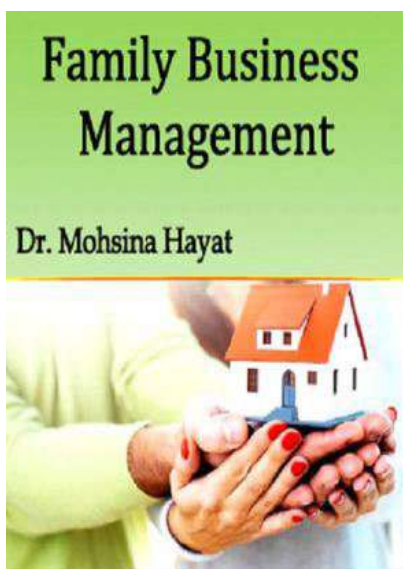
Dr. Yamini Negi
ISBN : 978-93-93810-00-7



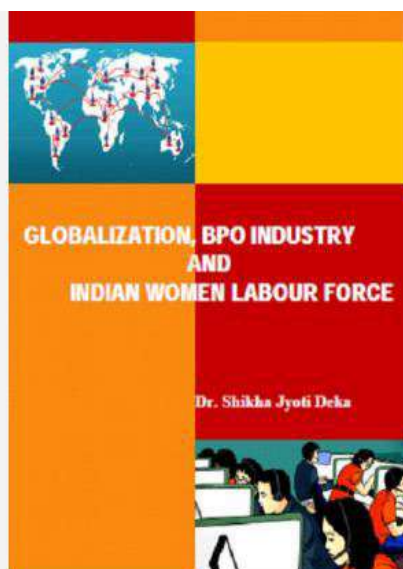
Dr. Parama Dutta
ISBN : 978-81-949278-0-8



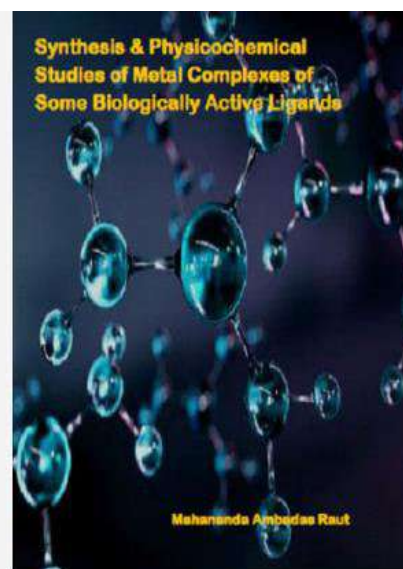
Dr. Chalukya B. V. & Mr. Pagore R. B.
ISBN : 978-81-949278-9-1



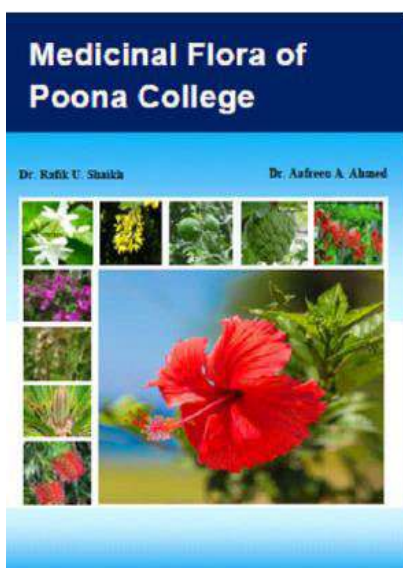
Dr. Mohsina Hayat
ISBN : 978-81-946375-5-4



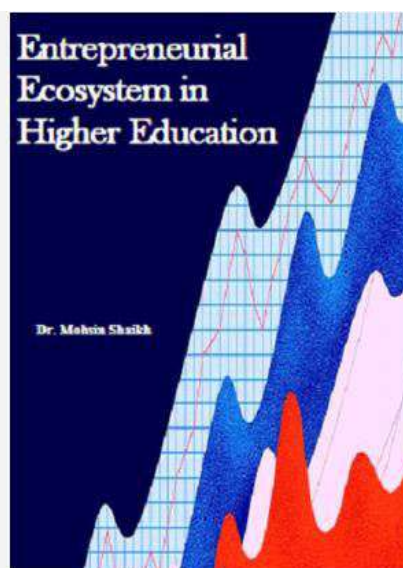
Dr. Shikha Jyoti Deka
ISBN : 978-81-952196-9-8



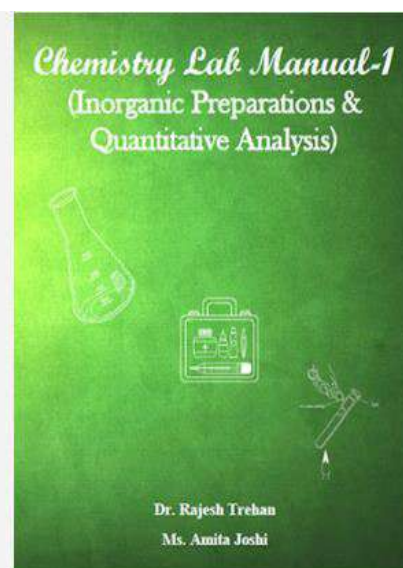
Dr. Mahananda Ambadas Raut
ISBN : 978-81-949278-8-4



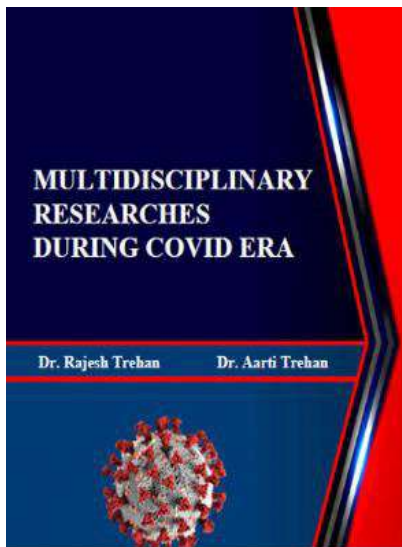
Dr. Rafik U. Shaikh & Dr. Aafreen A. Ahmed
ISBN : 978-81-949278-3-9



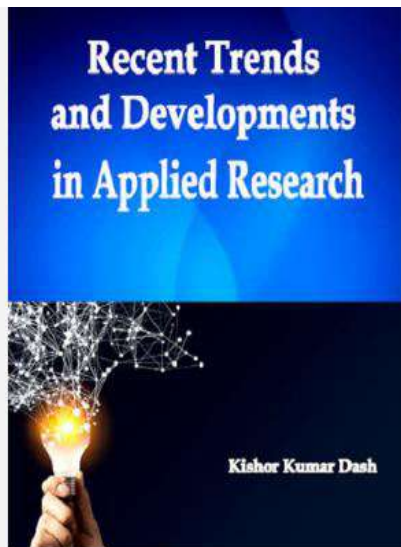
Dr. Mohsin Shaikh
ISBN : 978-81-949278-2-2



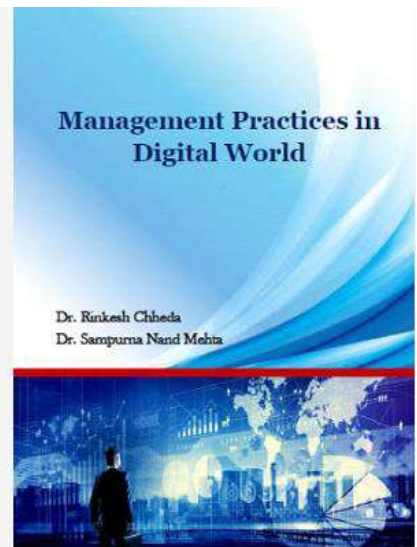
Dr. Rajesh Trehan & Ms. Amita Joshi
ISBN : 978-81-952196-3-6



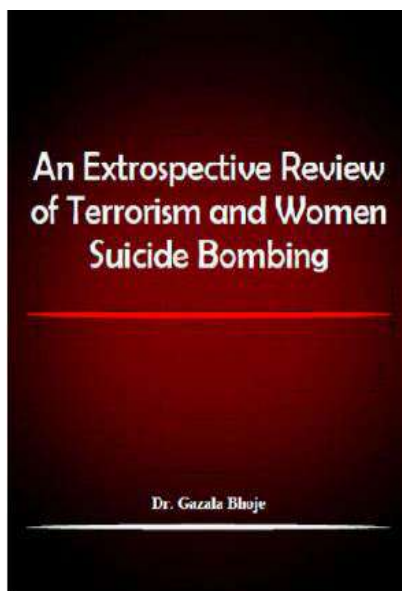
Dr. Rajesh Trehan & Dr. Aarti Trehan
ISBN : 978-81-952196-0-5



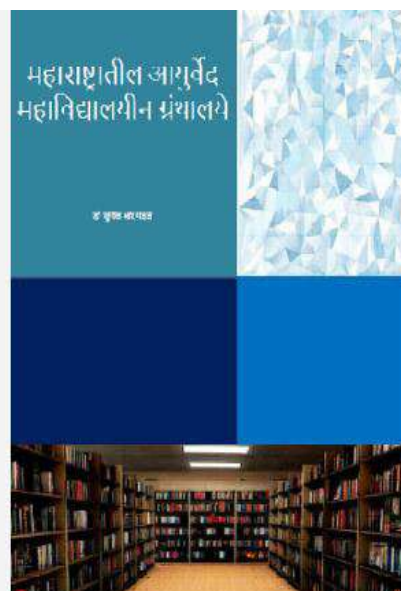
Kishor Kumar Dash
ISBN : 978-81-952196-1-2



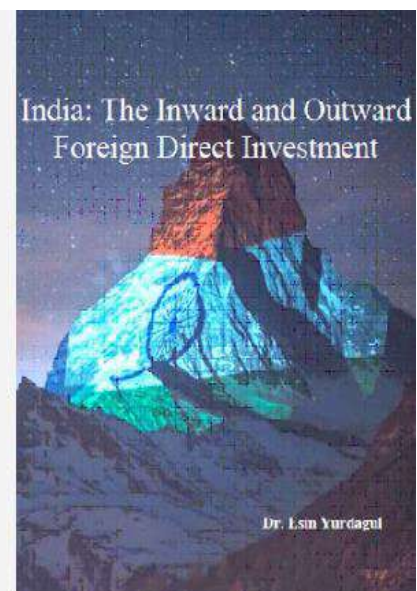
Dr. Rinkesh Chheda & Dr. Sampurna Nand Mehta
ISBN : 978-81-952196-2-9



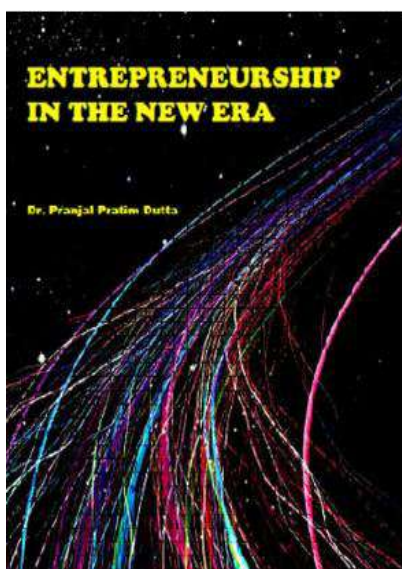
Dr. Gazala Bhoje
ISBN : 978-81-946375-4-7



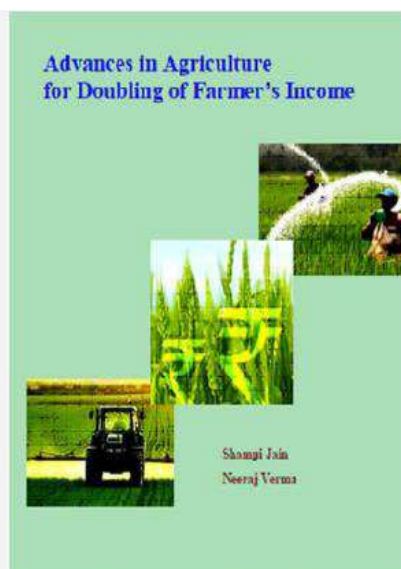
Dr. Sunil R. Mandale
ISBN : 978-81-946373-8-7



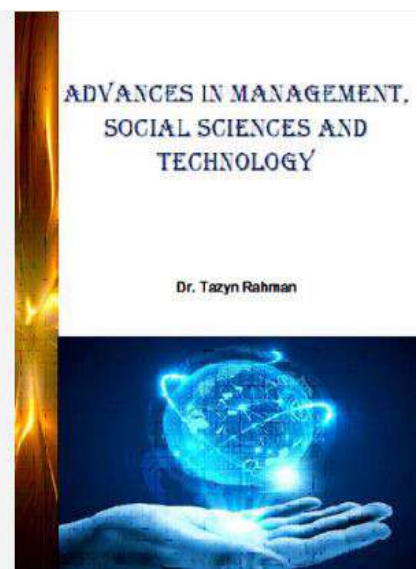
Dr. Esin Yurdagul
ISBN : 978-81-946375-9-2



Dr. Pranjal Pratim Dutta
ISBN : 978-81-946375-8-5



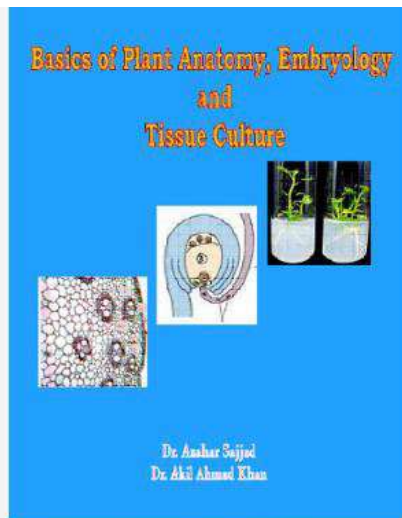
Shampri Jain and Neeraj Verma
ISBN : 978-81-946373-1-8



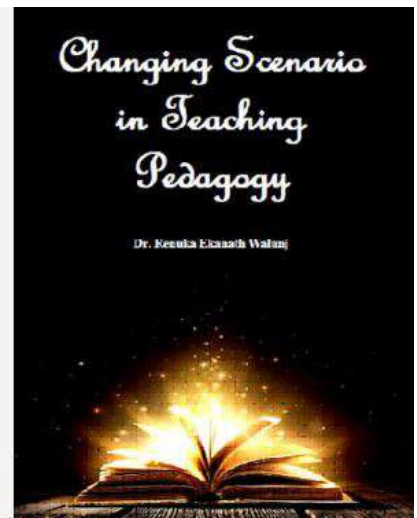
Dr. Tazyn Rahman
ISBN : 978-81-949278-6-0



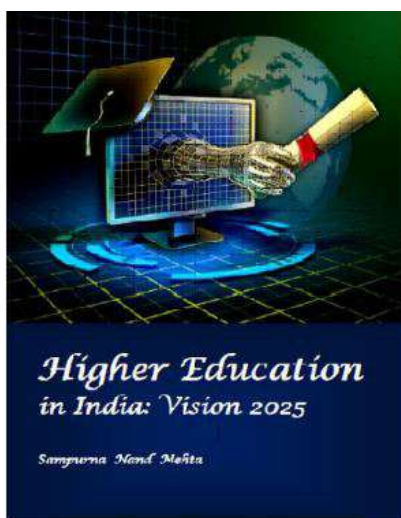
Dr. Shraddha Prasad
ISBN : 978-81-946375-0-9



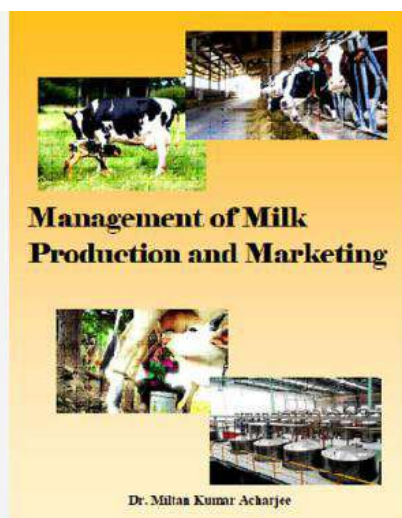
Dr. Azahar Sajjad and Dr. Akil Ahmad Khan
ISBN : 978-81-946373-7-0



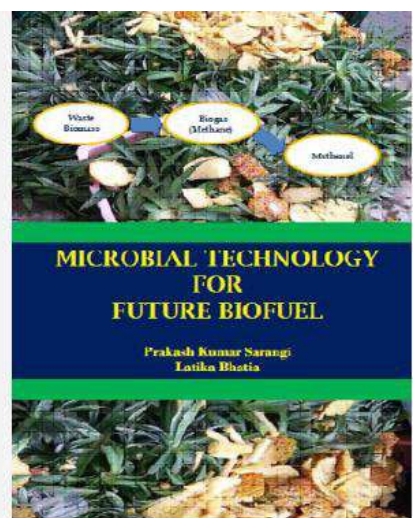
Dr. Renuka Ekanath Walunj
ISBN : 978-81-946375-1-6



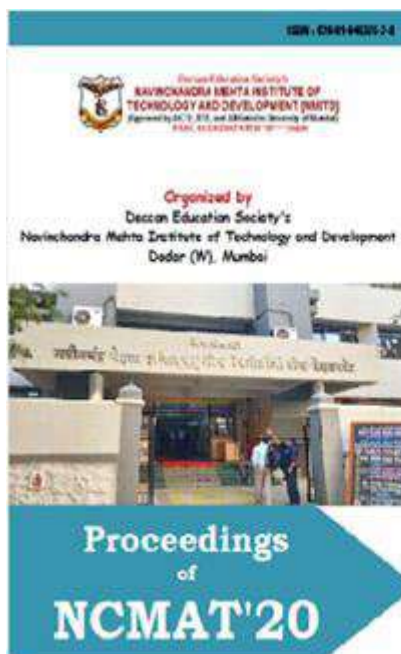
Sampurna Nand Mehta
ISBN : 978-81-944813-0-0



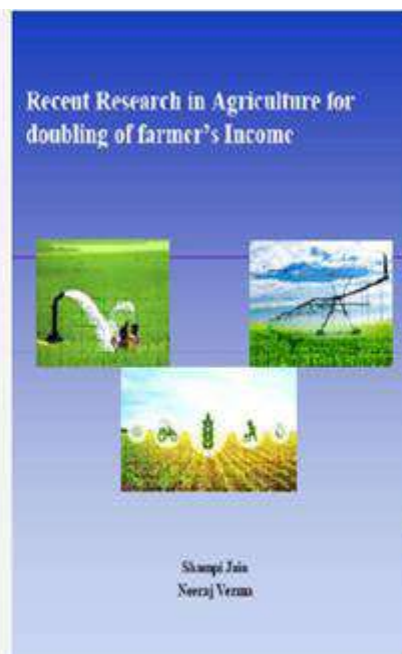
Dr. Milton Kumar Acharjee
ISBN : 978-81-946375-2-3



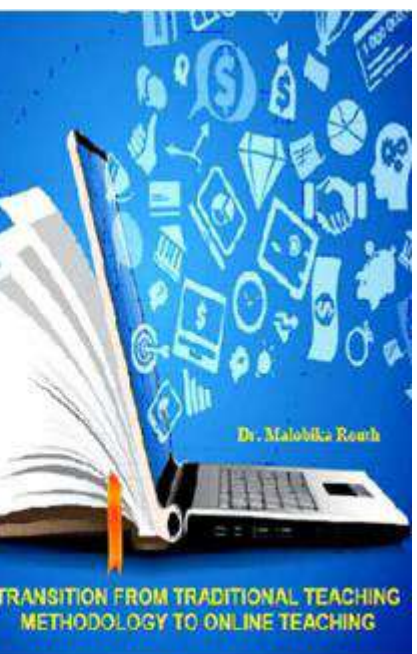
Prakash Kumar Sarangi and Latika Bhatia
ISBN : 978-81-946373-0-1



Dr. Samadhan Khamkar and Dr. Rasika Mallya
ISBN : 978-81-946375-7-8



Shampi Jain and Neeraj Verma
ISBN : 978-81-946373-2-5

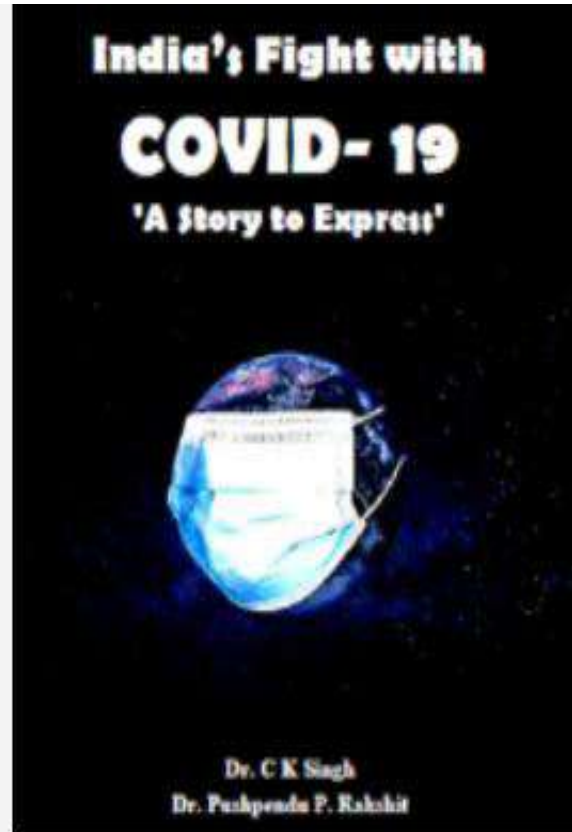


Dr. Malobika Routh
ISBN : 978-81-946375-3-0



Dr. Tazyn Rahman

ISBN : 978-81-949278-5-3



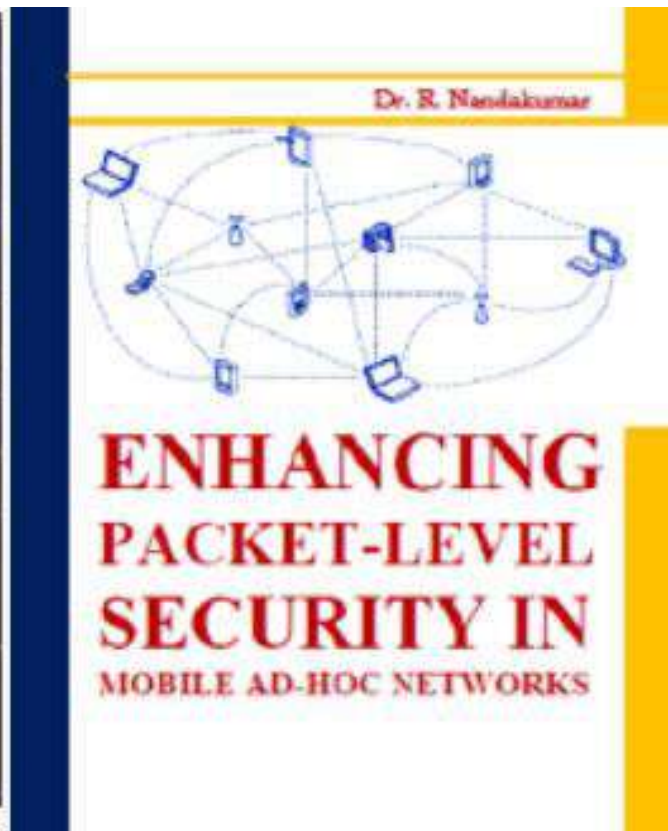
Dr. C K Singh & Dr. Pushpendu P. Rakshit

ISBN : 978-81-952196-7-4



Dr. Bharathy Kennedy, Dr. Nadarajah Rajeshwaran
& Dr. B. Vimala

ISBN : 978-81-952196-6-7



Dr. R. Nandakumar

ISBN : 978-81-946373-9-4



**INDIAN ACADEMICIANS AND RESEARCHERS ASSOCIATION
(IARA)**



www.iaraedu.com