2022 Interdisciplinary Research in Technology and Management (IRTM 2022)

Kolkata, India
24 – 26 February 2022

IEEE

IEEE Catalog Number: CFP22BN1-POD
ISBN: 978-1-6654-7887-8

Copyright © 2022 by the Institute of Electrical and Electronics Engineers, Inc.
All Rights Reserved

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number: CFP22BN1-POD
ISBN (Print-On-Demand): 978-1-6654-7887-8
ISBN (Online): 978-1-6654-7886-1

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

Content

SL	*Title*	*Authors with affiliation and country*	*Page No.*
1	Barriers in Subscriptions of Health Insurance Among the Urban Customers	Bhuvanesh Kumar Sharma (Symbiosis International University, Pune & Symbiosis Institute of Business Management Pune India, India); Vinay Nandre (Pune Institute of Business Management, Pune, India); Sunaina Chetan Kuknor (Symbiosis Institute of Business Management, India); Deepak Tiwari (Director, Duke College of Management, Bhopal, India)	N/A
2	Secured and Quantum Resistant Key Exchange Cryptography Methods - A Comparison	Smita Bansod (Shah & Anchor Kutchhi Engineering College & Mumbai University, India); Lata Ragha (Mumbai University, India)	6
3	Dark Web Forensics: An Investigation of Tracking Dark Web Activity with Digital Forensics	Robert Brinson (Georgia Southern, USA); Hayden Wimmer and Lei Chen (Georgia Southern University, USA)	11
4	A Study of Customer Satisfaction Towards Digital Banking	Kirti Lalwani (Neville Wadia Institute Of Managemet Studies & Research, Pune. & Sppu, India); Vinod Lalbeg (Neville Wadia Institute Of Managemet Studies & Research, Pune., India)	19
5	Predicting Stock Market Price Movement Using Machine Learning Technique: Evidence from India	Praveen Kumar T (CHRIST University, Bangalore, India); Mallieswari R (Ramaiah Institute of Management, India); Kirupa Priyadarsini M (PSG Institute of Management & PSG College of Technology, India)	25
6	Analysis of the Strategies of E-Commerce Giant FLIPKART to Overcome COVID-19 Crisis and Corresponding Impact on Consumer Buying Behaviour	Ruby Soni (Symbiosis International University, India); Vanishree Pabalkar (Symbiosis Institute of Management Studies, India); Rishita Gupta (Symbiosis Institute of Management StudiesPune, India)	N/A
7	Covid-19 and the Retail Industry	Ruby Soni (Symbiosis International University, India); Vanishree Pabalkar (SIMS, India); Ishita Rai (Symbiosis Institute of Management Studies Pune, India)	N/A

SL	*Title*	*Authors with affiliation and country*	*Page No.*
8	Increase in Employee Motivation Through Upward Feedback	Achala Agrawal and Shaji Joseph (Symbiosis International University, India)	N/A
9	A Novel Dual-Band Filtenna for 2.4 and 5.8 GHz Wireless Local Area for Network Applications	Harminder Singh (Australia); Ruhika Sharma (Academy of Scientific & Innovative Research, India); Raman Arora (Shaheed Udham Singh College of Engineering & Technology, India)	47
10	Analysis on Different Aspects of Investments Done by Investors	Vanishree Pabalkar (Symbiosis Institute of Management Studies, India); Ruby Chanda (SIMS, Range Hills Road, Kirkee Pune & Symbiosis Institute of Management Studies, Pune, India); Deep Dash (SIMS, India)	N/A
11	Stock Volatility Effects of Covid-19: Insights from Indian Banking Sector	Sameer M Shaikh (BITS Pilani, K K Birla Goa Campus, India); Melba Judieth Fernandes and Sunil Kumar Ambrammal (National Institute of Technology Goa, India); Debasis Patnaik (BITS Pilani K K Birla Goa Campus, India)	N/A
12	Linkages Between News and Dividend Decisions Using Neural Networks	Sameer M Shaikh (BITS Pilani, K K Birla Goa Campus, India); Debasis Patnaik (BITS Pilani K K Birla Goa Campus, India); Deven Mehta (BITS Pilani, K K Birla Goa Campus, India)	68
13	A Study of Thought Process Outsourcing and Its Execution in Business and Academic Institutions	Subrata Chattopadhyay and Arunava Dalal (UEM Kolkata, India)	N/A
14	Forecasting GDP per Capita of OECD Countries Using Machine Learning and Deep Learning Models	Vedant Bhardwaj (Birla Institute of Technology and Science, Pilani- Goa Campus, India); Param Bhavsar (Pune Institute of Computer Technology, India); Debasis Patnaik (BITS Pilani K K Birla Goa Campus, India)	80
15	Future of Work and Its Implications for India	Rahul Gupta Choudhury (International Management Institute (IMI, Bhubaneswar), India)	N/A

SL	Title	Authors with affiliation and country	Page No.
16	MCDM Selection of Laptops in TOPSIS: Criteria Weighting with Combined AHP and Entropy	Iliyan Petrov (Bulgarian Academy of Sciences, Institute of Information and Communication Technologies, Bulgaria)	95
17	Cost Management Strategies During COVID19 by Indian Firms	Shilpa Parkhi (Symbiosis Institute of Business Management, Pune & Symbiosis International Deemed University Pune, India); Kiran D Karande (Symbiosis School of Banking and Finance, India & Symbiosis International Deemed University, Pune, India); Prashant B Barge (Symbiosis Institute of Business Management, Pune & Symbiosis International Deemed University, Pune, India)	N/A
18	Risk of Psychological Disorder in Children of Alcoholics	Mavis Lilian Henriques (Birla Institute of Technology and Science, K. K. Birla Goa Campus, India); Debasis Patnaik (BITS Pilani K K Birla Goa Campus, India); Richa Shukla (Birla Institute of Technology and Science, K. K. Birla Goa Campus, India)	N/A
19	An Induction Motor Loss Optimization Approach Using JMAG and MATLAB for an Electric Vehicle	Saransh Chourey (Energy Institute Bangalore Center of RGIPT Jais, India); Sanket Bose (Energy Institute Bangalore Centre of RGIPT Jais, India); Sivasankari Sundaram (Energy Institute Bangalore Centre of RGIPT, USA)	109
20	Blockchain Based Applications' Future Challenges in Food Traceability	Pranav Vyas and Dharmendra Patel (Charotar University of Science and Technology, India)	114
21	Refurbished Medical Imaging Equipment Through Technology	Vanishree Pabalkar (Symbiosis Institute of Management Studies, India); Ruby Chanda (SIMS, Range Hills Road, Kirkee Pune & Symbiosis Institute of Management Studies, Pune, India); Sachin Jawle (SIMS, India)	121
22	Analysis of Rural Households' Perception and Preferences for Attributes of Health Insurance	Mohd Zuhair (Nirma University, India)	N/A

SL	Title	Authors with affiliation and country	Page No.
23	Modelling the Consumer Adoption Intention Towards Unified Payment Interface (UPI): An Extended UTAUT2 Model with 'Relative Advantage', 'Add-On Services' and 'Promotional Benefits'	Athul Kuriakose, Sajoy P B and Elsa George (Sacred Heart College, Kochi, India)	136
24	Keywords Generator from Paragraph Text Using Text Mining in Bahasa Indonesia	Berlian Rahmy Lidiawaty, Muhammad Estu Zulfaqor, Jr., Okcelen Diyantara Jr and Dian Retiana Shinta Dewi (Politeknik Negeri Malang, Indonesia)	144
25	Operational Risk in Semi Conductor Fabrication Using Binary Classification Algorithms and Monte Carlo Simulation	Sudhir P R (BITS PILANI, India); Dhruv Suresh (BITS Pilani, India); Debasis Patnaik (BITS Pilani K K Birla Goa Campus, India)	148
26	MediFi an IoT Based Wireless and Portable System for Patient's Healthcare Monitoring	Saradwata Bandyopadhyay, Akash Kumar Singh, Sunil Kumar Sharma, Rajrupa Das, Arju Kumari, Angira Halder and Sandip Mandal (University of Engineering and Management Kolkata, India)	154
27	Upsurge of Mobile Wallet Adoption by Generation X: An Evidence from India	R. Guhan and K Nigama (SASTRA Deemed University, India)	158
28	Facile Synthesis, and Low Force Mechanical Energy Harvesting of Zinc Titanate (ZnTiO3) Nanoparticles	Shubhankar Barman (Indian Association for the Cultivation of Science, India); Swadesh Paul (Indian Association for the Cultivation of Science(IACS), India)	164
29	A Feasibility Study on Adoption of Autonomous Vans for Relief Distribution in Rural India	Swarnamouli Majumdar (University of Massachusetts Lowell, USA); Mayur Srivastava (Indiana University, USA)	168

SL	Title	Authors with affiliation and country	Page No.
30	An Empirical Assessment of Customer Experience in Higher Education	Vimal Kamleshkumar Bhatt (Symbiosis Institute of Business Management, Pune & Symbiosis International Deemed University, Pune, India); Bhuvanesh Kumar Sharma (Symbiosis International University, Pune & Symbiosis Institute of Business Management Pune India, India); Ravi Kumar V v (Symbiosis Institute of Business Management, Pune & Symbiosis International Deemed University, India)	N/A
31	Visual Perception Through Smart Mirror	Rituparna Basak, Harshita Sharma, Subhradeep Das, Purba Mandal, Ankan Acharya, Pritilima Kumar and Mainack Dasgupta (University of Engineering and Management, India); Sudipta Basu Pal (University of Engineering & Management Kolkata, India)	182
32	Downside Risk Premium Based Four-Factor Asset Pricing Model: Empirical Evidence from Nifty50	Divya Kumari and Abhishek Parikh (Ganpat University, India)	187
33	Impact of Digital Financial Services on the Profitability Performance of Banks in India	Sreekanth Pv and Kiran Kb (National Institute of Technology Karnataka, India)	191
34	Multimodal Sentiment Analysis of Human Speech Using Deep Learning	Rituparna Basak, Saumya Roy, Sayak Ghoshal, Pratyay Basu and Namrata Roy (University of Engineering and Management, India)	196
35	Piezoelectric Energy Harvesting from Novel Piezoelectric Tin Titanate ($SnTiO_3$) Material	Swadesh Paul (Indian Association for the Cultivation of Science(IACS), India); Shubhankar Barman (Indian Association for the Cultivation of Science, India)	200
36	A Systematic Analysis on Cryptocurrencies as a Financial Asset	Aditya Vikram Singh and Jyoti Shaw (Techno India, India); Varsha Mishra (The Heritage Academy, India); Ankita Singh (The Bhawanipur Education Society College, India)	204

SL	Title	Authors with affiliation and country	Page No.
37	Gauging Eu-Stress and Distress Among Police Officers	Nalini R (Assistant Professor & SASTRA Deemed University, India); Nalini R and Shobhana N. (SASTRA Deemed University, India)	N/A
38	Small Sample Estimation of Classification Metrics	Soumen Manna (Goa Institute of Management, India)	212
39	Do-It-Yourself (DIY) Hand Sanitizer	Munshi Saba Khatoon and Shreemanti Chakrabarty (UEM Kolkata, India); Sudipta Basu Pal (University of Engineering & Management Kolkata, India)	215
40	A Comparative Study on Prediction of Heart Disease and Classifiers Suitable Analysis	Prerana Kundu, Sohini Mallik, Srimoyee Bhowmick, Pabitra Kundu, Hritam Banerjee and Pratim Mandal (UEM Kolkata, India); Sudipta Basu Pal (University of Engineering & Management Kolkata, India); Piyali Chandra (UEM Kolkata, India)	222
41	Green Human Resource Management [GHRM] Practices in Pursuit of Reinvigorating Environmental Performance in IT Firms: A SEM Approach	Shobhana Narayanan, Amudha R, Alamelu R, Rengarajan V, Dinesh S and Nalini R (SASTRA Deemed University, India)	227
42	Gauging Service Quality Among Management Students in B Schools Using MEQUAL	Amudha R (SASTRA & NIL, India)	N/A
43	Mapping the Job Satisfaction level of Employees on Work Performance in Pharmaceutical Industry	Krishna Pandey (National Institute of Technology Silchar & NIT Silchar, Assam, India); Reetu Kumari (Eternal University, Baru Sahib Himachal Pradesh, India); Geeta Kumari (Malla Reddy Engineering College, India)	N/A

SL	Title	Authors with affiliation and country	Page No.
44	Accessing the Effects of Employee Stress on Job Performance in Manufacturing Industry	Krishna Pandey (National Institute of Technology Silchar & NIT Silchar, Assam, India); Geeta Kumari (Malla Reddy Engineering College, India); Navneet Kaur (Eternal University, Baru Sahib Himachal Pradesh, India)	249
45	Deep Learning Based Speaker Recognition System with CNN and LSTM Techniques	Riasat Khan (North South University, Bangladesh & New Mexico State University, USA); Noshin Prachi, Faisal Nahiyan and Md Habibullah (North South University, Bangladesh)	256
46	Research Initiative on Sustainable Education System: Model of Balancing Green Computing and ICT in Quality Education	Debabrata Samanta (Christ University, Bangalore, India & CHRIST University, India)	262
47	BRAND HATRED:- A Study of Relationship of Demographic Factors with Hatred Among Consumers Towards Brands in Indian Context Using Chi-Square Application	Ashutosh Rai (University of Engineering and Management, Kolkata, India); Udit Chawla (University of Engineering and Management, India); Subrata Chattopadhyay (UEM Kolkata, India)	N/A
48	Mobile Telecommunication Networks: Advertisement and Customer Decision Making	George K. Agordzo (Anhui University of Science and Technology, China)	271
49	An Empirical Analysis of Anxiety and Depression During COVID-19	Debasis Patnaik (BITS Pilani K K Birla Goa Campus, India); Aaryaman Gupta and Mavis Lilian Henriques (Birla Institute of Technology and Science, K. K. Birla Goa Campus, India)	276
50	Fake Currency Recognition System Using Edge Detection	P. Ashok Babu and P. Sridhar (Institute of Aeronautical Engineering, India); Rajeev Ratna Vallabhuni (Bayview Asset Management, LLC, USA)	280
51	IT Employee's Investment Decisions: Impact of Personality Traits and Risk Tolerance	S Karthikeyan, C Vijayabanu, Therasa Chandrasekar, R Gayathri and V Vijayanand (SASTRA University, India)	N/A

SL	*Title*	*Authors with affiliation and country*	*Page No.*
52	Determinants of Customer Satisfaction Towards Using e-Tailing Apps: A Study Among Millennial Shoppers	Krishnadas R and Renganathan R (SASTRA Deemed University, India)	292
53	Securing Cash Withdrawal from ATM with the Help of Smart Mobile Banking Application	Rashmi Mahendra Pote (G. N. Khalsa College & University of Mumbai, India); Sushil Kulkarni (Jai Hind College, India)	298
54	M-Banking Propensity in Indian Millennials: An Urban and Semi-Urban Market Specific Study	Ajay Kumar Ganguly (University of Engineering and Management, Kolkata, India); Subhajit Bhattacharya (Xavier School of Commerce, XIM University, India); Subrata Chattopadhyay (University of Engineering and Management: Kolkata, India)	N/A
55	Kingdom & Castles: A Strategy Game for Studying Psychology	Aleksandr V. Belov and Maria Monina (National Research University Higher School of Economics, Russia)	N/A
56	A Cross Country Analysis of Environment and Health with Special Reference to Air Pollution and Deaths in Some Parts of the World	Pallabi Mukherjee and Kali Charan Modak (IPS Academy, Institute of Business Management and Research, India)	N/A
57	Dynamic Attack Trees Methodology	Aliyu Tanko Ali and Damas Gruska (Comenius University in Bratislava, Slovakia)	319
58	A Study on Marketing Trends, Consumer Behavior and Competitive Analysis on Color Cosmetic	Pranav Dhimant Desai (Charotar University of Science and Technology (CHARUSAT), India); Narmin Galyara (Charotar University of Science & Technology, India)	N/A
59	Artificial Intelligence in Strengthening the Operations of Ecommerce Based Business	Pranav Dhimant Desai (Charotar University of Science and Technology (CHARUSAT), India); Krutrth Ganatra (Aakar Containers Private Limited, India)	338

SL	Title	Authors with affiliation and country	Page No.
60	Does Proximity Matter in M&As? Evidence of Wealth Effect for Indian Listed Public Acquirers	Sameer M Shaikh (BITS Pilani, K K Birla Goa Campus, India); Debasis Patnaik (BITS Pilani K K Birla Goa Campus, India)	N/A
61	A Study on the Various Technologies Used to Combat Covid-19	Karmuru Rohit Reddy (Institute of Engineering and Management, India); Sayantan Dasgupta, Rohini Dasgupta and Joyatee Datta (Institute of Engineering & Management, India)	351
62	Performance of Initial Public Offers in India - Long and Short Term Returns	Debasis Patnaik (BITS Pilani K K Birla Goa Campus, India); Babitha Vishwanath (Sarojini Naidu Vanita Maha Vidyalaya, India); Sameer M Shaikh (BITS Pilani, K K Birla Goa Campus, India)	N/A
63	Knowledge and Beliefs: A Relational Study on Compliance to Medication and Physical Exercise in Parkinson's	Mavis Lilian Henriques (Birla Institute of Technology and Science, K. K. Birla Goa Campus, India); Debasis Patnaik (BITS Pilani K K Birla Goa Campus, India); Ashin Laurel (Birla Institute of Technology and Science, K. K. Birla Goa Campus, India)	N/A
64	Valorization Potential of the Levels of the Waste Management Hierarchy: Industrial Wastewater Management in the Indian Chemical Industry	Sandra Maria D' Sa (Birla Institute of Technology and Science, Pilani, KK Birla, Goa Campus & India, India); Debasis Patnaik (BITS Pilani K K Birla Goa Campus, India)	N/A
65	A Novel Strategic Way to Enhance the Connectivity of Users Beyond Coverage Area Using Cognitive Radio Relaying	Sourav Chakraborty (Imperial College London, United Kingdom (Great Britain)); Sohang Sengupta and Harshit Anand (Institute of Engineering and Management, Kolkata, India)	375
66	Behavioural Intention of Unified Payments Interface (UPI) Usage in the Pandemic: Evidence from Tamil Nadu	R. Guhan and K Nigama (SASTRA Deemed University, India)	N/A
67	The Impact of Social Networking Sites Among Modern Youth	Kamaladevi Baskaran and Priyanka C (Amity University, United Arab Emirates)	388

SL	Title	Authors with affiliation and country	Page No.
68	Forecasting India's Bank Nifty Index - A Time Series Approach	Rajveer S Rawlin and Priyanjali Das (MS Ramaiah Institute of Management, India)	394
69	Health Care Service Quality: A Comparison of Satisfaction Perception Among Public and Private Hospital Clients in Selected Districts of Goa	Shashi Lata Yadav (Institute of Nursing Education, Goa, India); Debasis Patnaik (BITS Pilani K K Birla Goa Campus, India); Somrat Dutta (BITS Pillani K K Birla Goa Campus, India)	N/A
70	Satisfaction Perception of Clients on Responsiveness by Health Care Providers in Selected Hospitals of Goa	Shashi Lata Yadav (Institute of Nursing Education, Goa, India); Debasis Patnaik (BITS Pilani K K Birla Goa Campus, India); Vedant Bhardwaj (BITS Pillani K K Birla Goa Campus, India)	N/A
71	Consequences of Consumer Attitude Toward Cause Related Marketing	Daniel Inbaraj Jublee (Xavier Institute of Management and Entrepreneurship, Bangalore, India); Gladys S (Indian Institute of Management, Kozhikode, India)	N/A
72	ICT Enabled Pedagogy in the Higher Education Institutions of Tamil Nadu - Faculty Perspective	Selvabaskar S and Surulivel ST (SASTRA Deemed University, India); Alamelu R (SASTRA Deemed University & Deemed University, India)	415
73	Infrared-Imaging Enabled Drone for the Detection of Infiltrators and Concealed Weapons	Hema R and Gayathri Subramanian (Easwari Engineering College, India)	421
74	Approach for Preprocessing in Offline Optical Character Recognition (OCR)	Raghunath Dey and Rakesh Chandra Balabantaray (IIIT Bhubaneswar, India); Surajit Mohanty (Dhaneswar Rath Institute of Engineering and Management Studies, India); Debabrata Singh (ITER, SOA University, Bhubaneswar, India); Marimuthu K (Srm Institute of Science and Technology, Delhi Ncr Campus, India); Debabrata Samanta (Christ University, Bangalore, India & CHRIST University, India)	425

SL	Title	Authors with affiliation and country	Page No.
75	A Study on Behavioural Voting Intentions of 1st Time Voters in Kolkata	Sucharita Debnath (Assistant Professor, Swami Vivekananda University); Shivani Hazra (Swami Vivekananda University, India)	N/A
76	A Comparative Study on the Codependency of Supply and Demand Graphs in Economics	Soham Kanti Bishnu and Soumendra Banerjee (Institute of Engineering and Management, India); Sourendra Banerjee (Amity University, Kolkata, India)	N/A
77	Autonomous Water Flow Control and Monitoring System	Shatabdi Basu (University of Engineering and Management Jaipur, India); Afaq Ahmed and Hitarth Pareek (University of Engineering and Management, Jaipur, India); Pradeep Sharma (University of Engineering & Management Jaipur, India)	442
78	MOOCs - One Size Does Not Fit All	Archana Shrivastava (Balaji Institute of Modern Management, Sri Balaji University, Pune, India); Ashish Shrivastava (Speedmart Pvt Ltd, India); Vimal Kamleshkumar Bhatt (Symbiosis Institute of Business Management, Pune & Symbiosis International Deemed University, Pune, India); Binod Sinha (Balaji Institute of Modern Management, Sri Balaji University, Pune, India)	446
79	Smart Lock Using IoT	Sourav Bhattacharya, Upalabdhi Dey, Swarnajoy Basak, Ritwik Chakraborty and Niladri Chowdhury (University of Engineering and Management, Kolkata, India); Roopa Hegde (UEM KOLKATA, India)	451
80	Voice Recognition Enabled Farmer Assistance Module with LoRaWAN Connectivity	Hema R, Gayathri Subramanian, Ajitkumar M, Bhagavath Kumar M, Jabilo Jose J, Hariharasudhan S and Ashish Hameed C (Easwari Engineering College, India)	455
81	Exploring the Ewom Impact on End Users Towards Online Snack Purchases: A PLS Sem Approach	C Vijayabanu, R Gayathri, Therasa Chandrasekar and S Karthikeyan (SASTRA University, India); V Chandrasekar (SASTRA Deemed UNiversity, India)	460

SL	Title	Authors with affiliation and country	Page No.
82	The Incremental Effect of Demographic Variables Personality and Positive Psychological Capital in Predicting Job Satisfaction of Bank Employees	Therasa Chandrasekar, R Gayathri, C Vijayabanu and S Karthikeyan (SASTRA University, India); V Badrinath (SASTRA Deemed University, India)	N/A
83	Intern Resources as Marketing Engine-A Prelude to New Age Start Ups	Piya Majumder (Institute of Engineering & Management Kolkata, India); Sutapa Chatterjee (Institute of Engineering and Management, India)	N/A
84	An Optimization Based PID Controller Tuning Approach of an Induction Motor Employed in an Electric Vehicle	Sanket Bose (Energy Institute Bangalore Centre of RGIPT Jais, India); Saransh Chourey (Energy Institute Bangalore Center of RGIPT Jais, India); Sivasankari Sundaram (Energy Institute Bangalore Centre of RGIPT, USA)	484
85	Application of IoT and Artificial Intelligence in Road Safety	Radhikesh Nanda (NIT Durgapur, India); Srimantini Bhattacharya and Harsh Jha (National Institute of Technology Durgapur, India)	489
86	Bioequivalence System for Drug Analysis	Aleksandr V. Belov and Kseniya Fimina (National Research University Higher School of Economics, Russia)	495
87	State of Charge Estimation of Electrical Vehicle Battery	Dipmala Rohidas Jadhav and Dipti Patil (A C Patil College of Engineering, Khargar, Navi Mumbai, India)	501
88	Post Pandemic Impact on Co-Operative Banking in Maharashtra State A Study	PravinKumar Govind Shastri (, India & M G M University Aurangabad, India); Siddhaarth R Dhongde (Amity University Mumbai, India); Chanpreet Kaur Ranjit Singh Gulati (MGM University, India)	N/A
89	Early Detection of Skin Cancer - Solution for Identifying and Defining Skin Cancers Using AI	Narayana Darapaneni (Northwestern University School of Professional Studies, India & Great Learning, India); Sachin Jain, Abin Banerjee, Bhawna Sahni, Syed Mohamed, Santhanu Chakrabarti and Anwesh Reddy Paduri (Great Learning, India)	515

SL	Title	Authors with affiliation and country	Page No.
90	D-Statcom Based Voltage Sag and Swell Improvement of Distribution System	Rashmi Suresh Telgote and Sangita Nandurkar (A C Patil College of Engineering, Khargar, Navi Mumbai, India); S Deore (University of Mumbai, India)	521
91	Consumer Satisfaction on the Quality of Licensing Services at East Java, Indonesia	Ridas Mika and Christiono Utomo (Institut Teknologi Sepuluh Nopember, Indonesia)	N/A
92	Development of a Credit Default Model Using R and Neural Network	Prashant Ubarhande (Symbiosis International (DEEMED University)); Arti Chandani (Symbiosis Institute of Management Studies, India)	531
93	The Impact of Faculty Scholarly Collaborations with Non-Doctoral Students	Mohammad Al-Abbas (Lebanese American University, Lebanon)	N/A
94	Consumer Perspective on Mobile Wallet Payment System	Arumugham Latha (Kumaraguru College of Technology & Anna University, India); Deepa Manickam (Deepa Manickam, India)	N/A
95	A Review on Methods for Optimal Placement of Distributed Generation in Distribution Network	Anil Verma (NITTTR Chandigarh, India); Ritula Thakur (NITTTR, India)	549
96	Study on Use of Artificial Intelligence in Talent Acquisition	Pradnya Vishwas Chitrao (Symbiosis Institute of Management Studies (SIMS), Pune & Symbiosis International Deemed University, India)	557
97	Prediction of Energy Consumption for Machinery in Manufacturing Process	Narayana Darapaneni (Northwestern University School of Professional Studies, India & Great Learning, India); A N Srinivasan, Syed Mohammed Yusuf S, Anirudh S, Kavipriya Kandavel, Tharanenthiran S, Chandramouli Vaidyanathan, Anwesh Reddy Paduri and Sulekha Dileep (Great Learning, India)	565

SL	Title	Authors with affiliation and country	Page No.
98	Evaluating the Parameters and Role of Bank During Covid 1	Ramya D (Anna University, India); Arumugham Latha (Kumaraguru College of Technology & Anna University, India)	N/A
99	Series Active Power Filter (SAPF) for Power Quality Improvement	Shradha Balajirao Anawade and Atul Kale (A C Patil College of Engineering, Khargar, Navi Mumbai, India)	576
100	AI Based Farm Fish Disease Detection System to Help Micro and Small Fish Farmers	Narayana Darapaneni (Northwestern University School of Professional Studies, India & Great Learning, India); Anthony Shohan Roche, Keisham Kiron Singha, S Sreekanth, Murugappan V, Amey V Shenwai and Anwesh Reddy Paduri (Great Learning, India)	585
101	Usage Based Insurance in Indian Automobile	Narayana Darapaneni (Northwestern University School of Professional Studies, India & Great Learning, India); Chetan Prakash Singh, Abutaahir Bhadusha, Tejas Mashruwala, Aadhityaa Shanmugam and Anwesh Reddy Paduri (Great Learning, India)	N/A
102	DTMF Based Low-Power Consuming Autonomous Mining Companion Robot with Multiple Sensing Subsytems	Chirag Satapathy and Hrishikesh Gokhale (Vellore Institute of Technology, Vellore, India)	595
103	Loan Prediction Software for Financial Institutions	Narayana Darapaneni (Northwestern University School of Professional Studies, India & Great Learning, India); Manikandan Suriyanarayanan, Akshay Kumar, Shabd Srivastava, Archanna Dixet and Anwesh Reddy Paduri (Great Learning, India)	600
104	Transmission Line Fault Detection Using Wavelet & Artificial Neural Network	Jivitesh Nitin Chavan and Atul Kale (A C Patil College of Engineering, Khargar, Navi Mumbai, India); S Deore (University of Mumbai, India)	608

SL	Title	Authors with affiliation and country	Page No.
105	Object Detection of Furniture and Home Goods Using Advanced Computer Vision	Narayana Darapaneni (Northwestern University School of Professional Studies, India & Great Learning, India); Anwesh Reddy Paduri, Namith Maroli, Mukul Paroha, Sunilkumar C M, Rohit George Mathew and Rohit Eknath Sawant (Great Learning, India)	613
106	Land Value Capture Model for Infrastructure Development in Indonesia: A Research Opportunity	Christiono Utomo and Muhammad Rozi Rinjayadi (Institut Teknologi Sepuluh Nopember, Indonesia)	N/A
107	Customer Support Chatbot for Electronic Components	Narayana Darapaneni (Northwestern University School of Professional Studies, India & Great Learning, India); Daniel Dsouza, Santhosh G, Gurender Singh, Gaurav Kumar, Sauvik De and Anwesh Reddy Paduri (Great Learning, India)	622
108	Computer Vision Application in Automobile Error Detection	Narayana Darapaneni (Northwestern University School of Professional Studies, India & Great Learning, India); Anjula Tiwari, Aravindh Balaraman, Machani Ravikumar, Sandeep Das, Pratap G, Shantanu Singh and Anwesh Reddy Paduri (Great Learning, India)	629
109	Multi-Band Frequency Selective Surfaces Using Square Loops with Splits	Ayan Chatterjee (National Institute of Technology Sikkim, India); Atul Shaw, Sayanta Dutta, Injamamul Haque, Rahul Sil and Upasana Mondal (University of Engineering and Management Kolkata, India)	636
110	E-Commerce and Woman Entrepreneurs: A Data Mining of e-Commerce Statistics in Indonesia	Gunawan Gunawan (University of Surabaya, Indonesia)	640
111	A Study to Investigate the Relationship Between 'Green Marketing' and 'Brand Equity'	Samir Sarkar and Kaushik Handique (Gauhati University, India)	N/A

SL	Title	Authors with affiliation and country	Page No.
112	A Review on Reinforcement Deep Learning in Robotics	Hare Shankar Kumhar and Vikas Kukshal (National Institute of Technology, Uttarakhand, India)	652
113	Eye Tracking Analysis Using Convolutional Neural Network	Narayana Darapaneni (Northwestern University School of Professional Studies, India & Great Learning, India); Meghasyam Madineni, Jairajan K P, Meghana D Prakash, Rahul Jangwan, Mugdha Belsare, Bibek Sau, Anwesh Reddy Paduri and Pradeep Madhavankutty (Great Learning, India)	660
114	Distracted Driver Monitoring System Using AI	Narayana Darapaneni (Northwestern University School of Professional Studies, India & Great Learning, India); Suman Kumar, Neeraj Tripathi, Bhavik Parikh, Tejas Beedkar, Tushar Khoche, Anwesh Reddy Paduri and Ashwin Narayanan (Great Learning, India)	668
115	Recognition of Handwritten Bengali Characters Using Low Cost Convolutional Neural Network	Rohit Chandrakant Jadhav, Siddhesh Bhere, Siddhesh Gadge, Kedar Kharde and Indu Dokare (Mumbai University, India)	676
116	Use of Principal Components Analysis to Identify Relevant Health Care Parameters Among Nursing Staff on Satisfaction Perception of Health Care Services in Selected Hospitals of Goa	Shashi Lata Yadav (Institute of Nursing Education, Goa, India); Debasis Patnaik (BITS Pilani K K Birla Goa Campus, India); Nilay Rajderkar (BITS Pillani K K Birla Goa Campus, India)	682
117	A Bandpass Frequency Selective Surface Using Ring Slots for Dual-Band Applications	Ayan Chatterjee (National Institute of Technology Sikkim, India); Anirban Chatterjee, Soumya Naskar and Tohit Bhowmick (University of Engineering and Management Kolkata, India); Siddhid Das (University of Engineering and Management, Kolkata, India)	686
118	Quantifying the New Media Literacy of Rural People: An Online Video Entertainment Perspective	Rajarathi Karunakaran and Selvabaskar S (SASTRA Deemed University, India)	690

SL	Title	Authors with affiliation and country	Page No.
119	Framework for Recognizing Information About Railway Traffic Lights	Maria Belykh (Higher School of Economics, Russia); Aleksandr V. Belov (National Research University Higher School of Economics, Russia)	695
120	Vegetable and Fruit Leaf Diseases Detection Using ResNet	Shivanghee Kaw, Hanisha Mohinani, Vinita Chugh and Om Yerawar (VESIT, India); Indu Dokare (Mumbai University, India)	699
121	Applicants' Perception Towards the Application of AI in Recruitment Process	Suruchi Pandey and Medha Bahukandi (Symbiosis Institute of Management Studies, Symbiosis International University, India)	705
122	Discussion: A Framework for Future Indian Healthcare Translation Research	Muthu Singaram, V r Muraleedharan and Mohanasankar Sivaprakasam (IIT Madras, India)	N/A
123	Eliminating Cyanide Species from Aqueous Matrices: An Overview on Some Physical-Chemical and Nano-Based Techniques	Smita Girish Wagholikar (Symbiosis International & Symbiosis Institute of Technology Lavale Pune, India)	719
124	Operational Risk in Airlines	Debasis Patnaik (BITS Pilani K K Birla Goa Campus, India); Sudhir P R (BITS PILANI, India)	N/A
125	Digital Technology Adoption and Its Usage Among Unorganized Retailers	Karthik Ram M (SASTRA University & Management, India); Selvabaskar S (SASTRA Deemed University, India)	733
126	A Study to Analyze Gold Policy of India	Shalini Kakkar (Symbiosis International University & PTVA's Institute of Management, India)	N/A

SL	Title	Authors with affiliation and country	Page No.
127	Wearable UWB Antenna with Notch Characteristic for Body Area Networks	Srijita Chakrabarti (IEM, India); Mrinmoy Chakraborty (B C Roy Engineering College, India)	753
128	The Mediating Effect of Social Media Use in the Relationship Between Social Capital and Entrepreneurial Opportunity Recognition	P Varsha Pramod (Department of Commerce, Sacred Heart College (Autonomous), Kochi Kerala, India); Remya Ramachandran (School of Management Studies, Cochin University of Science and Technology, Kochi, India)	N/A
129	Behavioural Operation Management: A Leveraging Tool to Boost Employee Morale	Mandira Dey (Indian Institute of Engineering Science and Technology Shibpur & The University of Burdwan, India)	N/A
130	Exploring the Impact of Administrative Competencies on Institutional Capabilities in Health Care Sector	Kirupa Priyadarsini M (PSG Institute of Management & PSG College of Technology, India); Shabarmathi M (PSG Institute of Management, India)	N/A
131	A Study on Influence of Ease of Doing Business Scores over Foreign Direct Investments of Selected South Asian Countries	Arjune Selvam (SASTRA University, India); Karthik Ram M (SASTRA University & Management, India)	778
132	Advanced Analytics Tools for Process Improvement: A Case Study in a Brewery	Joelle Nader (Adnan Kassar School of Business Lebanese American University, Byblos, Lebanon)	782
133	Lean Six Sigma and Design of Experiments: An Empirical Case Study from the Dairy Industry	Joelle Nader (Adnan Kassar School of Business Lebanese American University, Byblos, Lebanon)	790
134	Cavity-Backed Substrate Integrated Waveguide Antenna with Two Connected I Slot for Dual Frequency Operation	Srijita Chakrabarti (IEM, India); Mrinmoy Chakraborty (B. C. Roy Engineering College, India); Mrinmoy Chakraborty (B C Roy Engineering College, India)	798

SL	Title	Authors with affiliation and country	Page No.
135	Association of Teaching Practices and Learner Performance: An Investigative Approach in Management Education	Gagan Bhati (Prestige Institute of Management and Research, Indore (MP), India); Tarika Nandedkar (IBMR, IPS Academy, Indore MP, India)	N/A
136	An Experimental Investigation of Surface Roughness and Print Duration on FDM Printed Polylactic Acid (PLA) Parts	Rupam Rakshit (Jadavpur University, India)	806
137	An Exploratory Attempt to Analyze Parents' Intention Toward Children Vaccination (W.r.t. Indore City)	Chanchala Jain (Devi Ahilya Vishvavidyalay, Indore, India)	N/A
138	The Waste Hierarchy: The Order Followed by the Indian Chemical Industry to Reduce Industrial Wastewater Pollution	Sandra Maria D' Sa (Birla Institute of Technology and Science, Pilani, KK Birla, Goa Campus & India, India)	815
139	Prediction of Parkinson's Disorder: A Machine Learning Approach	Debasis Patnaik (BITS Pilani K K Birla Goa Campus, India); Mavis Lilian Henriques and Ashin Laurel (Birla Institute of Technology and Science, K. K. Birla Goa Campus, India)	820
140	Analysis of Railroad Track Crack Detection Using Computer Vision	Sumit Saha (Institute of Engineering & Management, India); Samit Karmakar (Assistant Professor, Institute of Engineering & Management, Kolkata, India); Debasmita Manna (Maulana Abul Kalam University of Technology & DSCSITSC, India)	823
141	Application of Reinforcement Learning for Control of Autonomous Vehicles	Indranil Basu (Institute of Engineering & Management, India); Samit Karmakar (Assistant Professor, Institute of Engineering & Management, Kolkata, India); Soumik Kumar Kundu (Institute of Engineering & Management, India); G. S. Taki (IEM, Kolkata & VECC, DAE, Kolkata, India)	827

SL	*Title*	*Authors with affiliation and country*	*Page No.*
142	Proposed Application of Multidimensional Poverty Index (MPI) in Microfinance Industries Using Machine Learning	Aditya Poddar (Institute of Engineering & Management, India); Ramita Sengupta (SDE, India)	830
143	Impact of Artificial Intelligence on Credit Scores in Lending Process	Rahul Vasantrao Dhaigude (Symbiosis Institute of Management Studies, Symbiosis International University, India); Naval Lawande (Symbiosis International University & Symbiosis Institute of Management, India)	836