

## PUBLICATIONS IN AY 2021-2022

1. Umang Gupta, Vandana Bhattacharjee, Partha Sarathi Bishnu, StockNet—GRU based stock index prediction, *Expert Systems with Applications*, 2022, 117986, ISSN 0957-4174, <https://doi.org/10.1016/j.eswa.2022.117986>. (Available online 30 June 2022, 117986) [**SCIE Indexed**]
2. Kumar Rajnish and Vandana Bhattacharjee (2022), "A Cognitive and Neural Network Approach for Software Defect Prediction", *Journal of Intelligent & Fuzzy Systems* (Accepted 15 June 2022) [**SCIE Indexed**]
3. KamtaNath Mishra, Vandana Bhattacharjee, Shashwat Saket and Shivam P. Mishra (2022) "Cloud and Big Data Security System's Review Principles: A Decisive Investigation", *Wireless Personal Communications* <https://doi.org/10.1007/s11277-022-09781-0> [**SCIE Indexed**]
4. Nandini Kumari, Shamama Anwar, Vandana Bhattacharjee (2022). "Time series dependent feature of EEG signals for improved visually evoked emotion classification using EmotionCapsNet", *Neural Computing and Applications*, Special Issue for Deep Learning in Time-series data, Vol. 43, Issue 4, Online ISSN: 1433-3058, Print ISSN: 0941-0643 <https://doi.org/10.1007/s00521-022-06942-x> [**SCIE**, IF:5.606]
5. Nandini Kumari, Shamama Anwar, Vandana Bhattacharjee (2022). "A Deep Learning based approach for accurate diagnosis of Alcohol usage severity using EEG signal", *IETE Journal of Research*. ISSN: Print ISSN: 0377-2063 Online ISSN: 0974-780X, <https://doi.org/10.1080/03772063.2022.2038705> [**SCIE**, IF: 2.333]
6. Nandini Kumari, Shamama Anwar, Vandana Bhattacharjee (2022). "Automated Visual Stimuli Evoked Multi-channel EEG Signal Classification Using EEGCapsNet ", *Pattern Recognition Letters*, Elsevier, Vol. 153, pp. 29 – 35, ISSN: 0167-8655 ,doi: <https://doi.org/10.1016/j.patrec.2021.11.019> [**SCI**, **IF: 3.756**]
7. Vandana Bhattacharjee, Raj Sahu, Amit Dutta (2021). "Enhanced graph representations for graph convolutional network models", *Multimedia Tools and Applications*, Springer (Accepted 23<sup>rd</sup> December 2021) [**SCIE Indexed**]
8. Increasing the Prediction Accuracy for Thyroid Disease: A Step Towards Better Health for Society, *Wireless Personal Communications*, August 2021 (Co-authored with Ritesh Jha and Dr. Abhijit Mustafi) [**SCIE Indexed**]
9. Umang Gupta, Vandana Bhattacharjee, Partha Sarathi Bishnu Outlier Detection in Wireless Sensor Networks Based on Neighbourhood published in *Wirel. Pers. Commun.* pp. 443-454, 2021

10. D. Das, S. Mukhopadhyaya, D. Nandi Swarm-based Painting of an Area Cluttered with Obstacles published in International Journal of Parallel, Emergent and Distributed Systems, (Taylor & Francis Publication) pp. 359-379, Vol. 36, Issue 4, 2021
11. Soumitro Chakravarty, Umesh Prasad Exploring the MOOC model of Online Education in light of COVID-19 Pandemic: An enquiry published in TOJQI pp. 5447-5454, July 2021
12. Kuntal Muherjee et al. A Novel Methodology for Cloud of Things-Based Secure Higher Education Framework Using Zero Knowledge Proof System published in (IJWLTT), IGI Global, pp. 1-21, 2022
13. S Sharan, BK Sharma, Kavikumar Jacob Interval type-2 fuzzy automata and Interval type-2 fuzzy grammar published in Journal of Applied Mathematics and Computing pp. p 1-22, 2021
14. Kumari G, Shrivastava AR. The role of the state in saving Paitker painting in Jharkhand published in Craft Research pp. 79–104, 2021
15. K. Sinha, A.R. Srivastava and H. Garg Second wave of Covid-19. What is known about it? published in Vidyabharti International Interdisciplinary Research Journal (Special Issue) pp. 905-911, 2021
16. E Sahay & Dr. S Mukherjee Understanding communication needs of organic food consumers in India: A Grounded Theory Approach published in Turkish online Journal of Qualitative Inquiry pp. 8909-8924, 2021
17. Yasmin Yaqub, Arun Kumar Singh & Tanusree Dutta An empirical study of factors influencing training transfer in the management training intervention published in Journal of Workplace Learning pp. 361-374, 2021
18. Yasmin Yaqub & Arun kumar Singh Impact of training design on trainees' motivation: an empirical study published in Industrial and Commercial Training, 2021
19. Maya singh,S.N.Sahdeo Nutrient expert:An ICT tool of Agriculture published in Agricultural Science Digest, 2021
20. Soumitro Chakravarty, Umesh Prasad Exploring the MOOC model of Online Education in light of COVID-19 Pandemic: An enquiry published in TOJQI pp. 5447-5454, July 2021
21. Dr. Kuntal Muherjee A Novel Methodology for Cloud of Things-Based Secure Higher Education Framework Using Zero Knowledge Proof System published in (IJWLTT), IGI Global, 2022
22. E Sahay & S Mukherjee Attitude Towards Female Role Portrayal in Advertising & Its Impact on Brand Image & Purchase Intention published in Stakeholder Well Being through Value Creation in Jan 27-28,2022 organised by Welingkar Business School, Matunga, Mumbai

## **PUBLICATIONS IN AY 2020-2021**

1. Umang Gupta, Vandana Bhattacharjee, Partha Sarathi Bishnu Clustering on Ranked Data for Campaign Selection IEEE Access PP 162421 - 162431 SEP-2020
2. Soumitro Chakravarty, Umesh Prasad PSYCHOLOGICAL DIMENSIONS OF COVID-19 UPON MIGRANT LABOURERS IN INDIA: ISSUES AND CONCERNS Kala Sarovar PP 378-380 AUG-2020
3. Dr Mili Dutta, Mrs Puja Kumari, Dr Manju Bhagat Employer Branding and its Role in Effective Recruitment AIMS International Journal of Management 14(2): 89 2020
4. Aparna Shukla, Suwendu Kanungo A Novel Hybrid Metaheuristic Approach to Perceive Gender Based Identification System Recent Advances in Computer Science and Communications PP 2267-2287 2021
5. Aparna Shukla, Suwendu Kanungo An Efficient Clustering Based Segmentation Approach for Biometric Image Recent Advances in Computer Science and Communications PP 803-819 2021
6. Sinha S., Mishra A. Measuring Employers' Satisfaction with Expectation Satisfaction Matrix. Purusartha PP 21-34 2020
7. Mishra N, Gupta, SL & Srivastava, AR. 2020; 73 (3): . Influence of social media on Purchase Intention: A Study of Consumers in Oman Indian Journal of Commerce PP 77-91 2020
8. Yasmin Yaqub, Tanusree Dutta, Raina Chhajer & Arun Kumar Singh Impact of Supervisory Support on training transfer: An empirical study Indian Journal of Industrial Relations PP 73 - 87 2020
9. Maya Singh, S.N.Sahdeo Role of indigeneous cows in the farmer friendly organic farming technologies by agricultural institutions International journal of Asian agri history PP 2020
10. Kunal sinha, S.N.Sahdeo Advertising as a tool to create awareness for curbing HIV/AIDS outbreak among inland migrating Indian labourers Test engineering and Management PP 2020
11. Soumitro Chakravarty, Umesh Prasad PSYCHOLOGICAL DIMENSIONS OF COVID-19 UPON MIGRANT LABOURERS IN INDIA: ISSUES AND CONCERNS Kala Sarovar PP 378-380 AUG-2020
12. Sinha Avinash, Kumar Vikas Measurement of Human Capital through Earnings Approach towards calculating weighted Average Cost and Economic Value Added of Firms UGC Care Group I Journal, Juni Khyat PP 118-127 JULY-2020
13. Dr. Kuntal Muherjee A Theme of Smart Cities Based on IOT, Fuzzy Logic and Quantum-Deep Learning Technique International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING PP 21-27 2020

14. Sadhu A., Mukhopadhyaya S Assembling of Robots in Presence of Line Obstacles with Direction-only Axes Agreement published in International Conference on Mechatronics and Artificial Intelligence (ICMAI) Article: 12078 (Open Access) 44254 organised by SGT University, Gurugram, Haryana, India
15. D. Das, S. Mukhopadhyaya, M. Ghosh Synchronizing Asynchronous Mobile Robots with Limited Visibility Using Lights published in International Conference on Mechatronics and Artificial Intelligence (ICMAI) Article: 012015 (Open Access) 44254 organised by SGT University, Gurugram, Haryana, India
16. Soumitro Chakravarty, Umesh Prasad "PSYCHOLOGICAL DIMENSIONS OF COVID-19 UPON MIGRANT LABOURERS IN INDIA: ISSUES AND CONCERNS" published in Online International Conference on "Continuity, Consistence & Innovation in Applied Sciences & Humanities pages 378-380, 13-14 August 2020 organised by Online
17. Mili Dutta, Shrutu Trayambak Heavy Engineering Corporation -A 65 Year old history of operations and a massive history of Milestones: both positive and negative published in Ancient Indian Wisdom: Panacea for Sustainable well-being pages 61-65, 26-27th June, 2021 organised by School of Management Sciences, Varanasi
18. Yasmin Yaqub, Arun Kumar Singh, Tanusree Dutta & Raina Chhajer How does training intervention design improve training transfer? The mediating mechanism of motivation and volition to transfer published in 30th Convention of National Academy of Psychology pages 70-71, 19 – 21st March, 2021 organised by IIT Kanpur
19. Soumitro Chakravarty, Umesh Prasad Psychological Dimensions of Covid-19 Upon Migrant Labourers in India: Issues and Concerns published in Online International Conference on "Continuity, Consistence & Innovation in Applied Sciences & Humanities pages 378-380, 13-14 August 2020 organised Online
20. A. Kumari, A. Murari, R. Ohdar and U. Prasad Multi Response Optimization of the Green Sand Moulding Process using Grey Taguchi Method published in International Conference on Computer Science, Engineering and Applications (ICCSEA) pages 1-6, 13-14 March 2020 organised by Gunupur, India

### **PUBLICATIONS IN AY 2019-2020**

1. Ritesh Kumar, Partha Sarathi Bishnu Identification of k-most promising features to set blue ocean strategy in decision making Data Science and Engineering PP 367-384 OCT-2019
2. Shreya Patel, Soumitro Chakravarty, A.N. Jha The Challenges of Microfinance ARISCOM Journal of Management (Print) PP 29-34 SEP-2019
3. Soumitro Chakravarty, Umesh Prasad Impact Of Internet And Social Media Usage Upon Adolescents And Young Adults: A Qualitative Enquiry IJAST PP 1696-1705 JUN-2020

4. Umesh Prasad, Soumitro Chakravarty Emerging Role Of Information And Communication Technologies In Modern Education: Issues & Concerns With Special Reference To Developing Economies IJAST PP 1641-1645 JUN-2020
5. Sinha. S. Ghosh P. and Mishra A. Employability of fresh engineering graduates in India: A fresh look applying Expectation Confirmation Theory Education + Training PP 47-63 2019
6. Sinha S., Jawahar I.M., Ghosh P and Mishra A. Assessing employers' satisfaction with Indian engineering graduates using expectancy-disconfirmation theory International Journal of Manpower PP 473-489 2020
7. E. Sahay & Dr. S Mukherjee A Review on organic consumption in Young India: A push by leveraging Subjective Norms through Effective Communication in the age of Social Media International Journal of Research Culture Society PP 94-98 2019
8. Kunal sinha, S.N. Sahdeo GPS Technology for finding suitable place for water harvesting International Journal of innovative technology and exploring engineering PP 2019
9. Soumitro Chakravarty, Umesh Prasad Impact Of Internet And Social Media Usage Upon Adolescents And Young Adults: A Qualitative Enquiry IJAST PP 1696-1705 JUN-2020
10. Umesh Prasad, Soumitro Chakravarty Emerging Role Of Information And Communication Technologies In Modern Education: Issues & Concerns With Special Reference To Developing Economies IJAST PP 1641-1645 JUN-2020
11. G Mahto, Umesh Prasad, R K Dwivedi Lockdown Due to COVID-19 Slow Down Automobile Sales: Forecasting Using Data Mining IJAST PP 708-716 MAY-2020
12. Dr. Kuntal Muherjee A feature selection technique based on rough set and improvised PSO algorithm (PSORS-FS) for permission based detection of Android malwares International journal of machine learning and cybernetics PP 1893-1907 2019
13. Dr. Kuntal Muherjee An Ensemble Voted Feature Selection Technique for Predictive Modeling of Malwares of Android International Journal of Information System Modeling and Design (IJISMD) PP 46 - 69 2019
14. Dr. Kuntal Muherjee An energy efficient architecture of IoT based on service oriented architecture (SOA) Informatica PP 1-8 2019
15. Ritesh Kumar, Partha Sarathi Bishnu Target Marketing Using Feedback Mining published in Advances in Computational Intelligence pages 95-103, 2020 organized by BIT Mesra
16. Dr Mili Dutta , Mrs Puja Kumari Employer branding and its role in effective recruitment published in Managing Challenges in Uncertain Environment, 2-4 January ,2020 organized by Indian Institute of Management ,Kozhikode And AIMS International
17. Yasmin Yaqub, Arun Kumar Singh, Tanusree Dutta Transfer of Training: Factors influencing managerial training intervention published in 7th International HR conference, Leadership in Changing times pages 139-140, 30-31st January, 2020 organized by K. J Somaiya Institute of Management Studies & Research

## **PUBLICATIONS IN AY 2018-2019**

1. G. Mahto, U. Prasad Forecasting Automobile Retail Sales Using Data Mining: The Case of Ranchi, Jharkhand, India IJCSE PP 572-574, Sept. 2018
2. Soumitro Chakravarty, Umesh Prasad Attrition, Retention and the Indian Knowledge Worker's Experiences – A qualitative enquiry IJREAM PP 111-116, Oct. 2018
3. Soumitro Chakravarty, Umesh Prasad EXPLORING THE UNDERLYING ISSUES IN EMPLOYING LIKERT SCALE FOR SOCIAL SCIENCES RESEARCH- A PRIMER FOR NEW RESEARCHERS JETIR PP 624-626, Oct. 2018
4. Siba Mitra, Ajanta Das Adaptive Routing Model in Wireless Sensor Network World Journal of Modelling and Simulation PP 289-297, Nov, 2018
5. D. Das, S. Mukhopadhyaya Distributed Algorithm for Painting by a Swarm of Randomly Deployed Robots under Limited Visibility International Journal of Advanced Robotic Systems, (SAGE Publication) PP 1-14 Vol. 15, Issue: 5, October, 2018
6. Soumitro Chakravarty, Umesh Prasad Attrition, Retention and the Indian Knowledge Worker's Experiences – A qualitative enquiry IJREAM PP 111-116 Oct. 2018
7. Soumitro Chakravarty, Umesh Prasad EXPLORING THE UNDERLYING ISSUES IN EMPLOYING LIKERT SCALE FOR SOCIAL SCIENCES RESEARCH- A PRIMER FOR NEW RESEARCHERS JETIR PP 624-626, Oct. 2018
8. Soumitro Chakravarty The Indian Consumer's Perception and Preferences towards Green Marketing: An Enquiry IJRAR PP 573-578, Jan 2019
9. Soumitro Chakravarty Consumer Neuroscience and Modern Marketing Research: Present Issues and Future Trends IJSRM PP 238-240, May 2019
10. Kumar P, Mishra A Implication of tourism traits on Jharkhand tourism with special reference to perception of local residents Purusartha PP 60-73, 2019
11. SP Tiwari, VK Yadav, P Pal, BK Sharma Minimal Fuzzy Realization for Fuzzy Behaviour: A Bicategory-theoretic Approach Journal of Multiple-Valued Logic & Soft Computing PP p 105-121 2018
12. Swati Minz & Pradeep Munda Work –life struggle of a working woman International Journal of Management and Business Research 2018
13. Dr. Kuntal Muherjee An energy efficient design of cloud of things (CoT) Journal of Information and Optimization Sciences PP 319-326, 2018
14. Kunal sinha, S.N.Sahdeo Social advertising for family planning: An analysis of factors affecting in rural area. Journal of rural and industrial development, 2018
15. Umang Gupta, Vandana Bhattacharjee, Partha Sarathi Bishnu A new neighborhood-based outlier detection technique published in Proceedings of the third international conference on

- microelectronics, computing and communication systems pages 527-534, 2019 organised by BSNL Ranchi
16. Aparna Shukla, Suwendu Kanungo Nearby Neighboring Biclustering Approach published in 3rd International Conference On Internet of Things: Smart Innovation and Usages (IoT-SIU, IEEE, 2018 pages 1-6, 23-24 Feb. 2018 organised by Birla Institute of Applied Sciences Bhimtal, Nainital, Uttarakhand In Collaboration with Uttarakhand Science Education and Research Centre (USERC)
  17. Dr Mili Dutta, MrsPuja Kumari, Dr R N bhagat Entrepreneurship:A journey from job seekers to job Providers published in XVII International Conference on Business Management ,Technology and Behavioural Sciences pages 324-332, 14-15th July 2018 organised by Society of Technical and Management Professionals
  18. Dr Mili Dutta, Mrs puja kumari, Dr Manju Bhagat Jharcraft an initiative towards bringing social and economic growth in silk,handicraft & handloom industry in Jharkhand published in 60th Annual conference of ISLE, 19-21st December ,2018 organised by Indian Society of Labour Economics
  19. Yasmin Yaqub, Tanusree Dutta & Arun Kumar Singh Transfer of Training: Influence of Trainee Characteristics, Training Design and Workplace Environment published in 2nd Indian Congress of Industrial and Organizational Psychology pages 18-19, (23-24th February, 2019) organised by M. S. University, Baroda, Gujrat
  20. E Sahay & S Mukherjee Responsible/Ethical Consumerism through Framing Effect in Green messages published in SUSBUS (IIM Kolkata), Jan 13-14, 2018 organised by IIM Kolkata

## **BOOKS**

1. PS Bishnu, V Bhattacharjee DATA ANALYSIS: USING STATISTICS AND PROBABILITY WITH R LANGUAGE published by PHI on 2019

## **BOOK CHAPTERS**

1. Shandilya G and Srivastava AR Digitalization of Education: Future Calling. In: Transforming Higher Education through Digitalization: Insights, Tools and Techniques, book chapter published by CRC Press (Taylor & Francis Group) on 2021
2. Yadav P and Srivastava AR Digitalization of Higher Education: Issues & challenges. In: Digitalization of Higher Education using Cloud Computing: Implications, Risk & Challenges, book chapter published by Chapman & Hall/CRC Press (Taylor & Francis Group) on 2021

3. Srivastava AR Digitalization of Higher Education: Issues & challenges. In: Digitalization of Higher Education using Cloud Computing: Implications, Risk & Challenges, book chapter published by Chapman & Hall/CRC Press (Taylor & Francis Group) on 2021
4. Soumitro Chakravarty, Umesh Prasad The New Leap: Exploring new paradigms in business, book chapter published by Excel Publishers on 2020
5. Archana Kumari, Umesh Prasad and Rajkumar Ohdar Advances in Science & Technology: Prediction of Green Sand Moulding Properties using Artificial Neural Network, book chapter published by Empyreal Publishing House on 2019
6. Arun K. Sadhu, Madhumita Sardar, Deepanwita Das and Srabani Mukhopadhyaya Gathering in Discrete Domain: State-of-the-Art, pp. 11-18, book chapter published by Springer Nature Switzerland on 2019
7. Archana Kumari Umesh Prasad, Pradip Kumar Bala The New Leap: Exploring new paradigms in business: Customer Relationship Management in the Indian Wellness Industry, book chapter published by Excel Publishers on 2019
8. Bhagat, S., Mukhopadhyaya, K. & Mukhopadhyaya, S. Computing Under Restricted Visibility, pp. 134-183, book chapter published by Springer Nature Switzerland on 2016
9. Siba Mitra, Sarbani Roy, Ajanta Das Parent Selection Based on Link Quality Estimation in WSN, book chapter published by Springer Advances in Intelligent Systems and Computing (AISC), Vol. 379, pp. 629–637 on 2015
10. Soumitro Chakravarty “Impact of Self Help Groups upon women empowerment – A case study”, book chapter published by Lambert Academic Publishing (International Book Publishers) on 2014
11. Soumitro Chakravarty CREATING VALUE THROUGH INNOVATION, book chapter published by Shree Publishers & Distributors on 2014
12. Soumitro Chakravarty, Anant Kumar & AN Jha Changing Scenario of Business & E-Commerce , book chapter published by D.Bhakkad on 2014
13. Shubhra Tiwari, Umesh Prasad, Pradip Kumar Bala The New Leap: Exploring new paradigms in business: Development of Demand Forecasting Model for Retail Inventory Management: A Soft Computing based Approach, book chapter published by Excel Publishers on 2013
14. Chakraborty S, Srivastava AR, and Prasad U Application of Rubrics for the assessment of Students. In: Transforming Higher Education through Digitalization: Insights, Tools and Techniques, book chapter published by CRC Press (Taylor & Francis Group) on 2012
15. Shandilya G and Srivastava AR Digitalization of Education: Future Calling. In: Transforming Higher Education through Digitalization: Insights, Tools and Techniques, book chapter published by CRC Press (Taylor & Francis Group) on 2010