Dr. Subrata Chowdhury MCA, PhD
Assistant Professor, Department of MCA

DETAILS OF PUBLISHED RESEARCH WORK

Number of National Conferences : 01
Number of International Journals Publications : 9

Conferences:
• Presented paper "Defiance and Contention braced in IoT for the Therapeutic Sensor Systems Inquisitions," vol. 8, no. 311, pp. 311–322, 2018, in 3rd International Conference on Multidisciplinary Research (ICMAR-2018), 2018 – UGC Care Journal
•Presented a paper on "Analysis of the IoT sensors and networks with big data and sharing the data through cloud platform, in 6th International conference on applied science and engineering and technology (ICASEE-18), 2018- Scopus Indexed

Journals:

1. • S. Chowdhury and P. Mayilvahanan, "A survey on internet of things: privacy with security of sensors and wearable network ip / protocols," vol. 7, pp. 200–205, 2018 -Scopus Indexed.
2. • Chowdhury, Subrata. "Survey on various Scheduling Algorithms." Imperial Journal of Interdisciplinary Research (IJIR) 3 (2018): 4. -UGC Indexed.
3. • Saibabavali, Shaik, et al. "Application for Searching Product nearby location." (2017)- UGC Indexed. • Chowdhury, Subrata, P. Mayilvahananan, and Ramya Govindraj. "Health Machine Sensors Network Controlling and Generating Trust Count in the Servers Platform through IoT." Int. J. Recent Technol. Eng. (2019) -Scopus Indexed.
4. • Chowdhury, Subrata, et al. "Analysis of the IOT Sensors and Networks with Big Data and Sharing the Data through Cloud Platform." Int. J. Innov. Technol. Explor. Eng. (2019) -Scopus Indexed.
5. • Chowdhury, Subrata, et al. "Layered programming model for resource provisioning in fog computing using yet another fog simulator." Int. J. Emerg. Trends Comput. Res 8.9 (2020) - Scopus Indexed.
6. • Chowdhury, N., et al. "Blockchain-facilitated IoT built cleverer home with unrestricted validation arrangement." Int J Adv Trends Comput Sci Eng (2020), Scopus Indexed.
7. • Babitha, D., et al. "Automated road safety surveillance system using hybrid cnn-lstm approach." International Journal of Advanced Trends in Computer Science and Engineering 9.2 (2020): 1767-1773-UGC Indexed.
8. • Chowdhury, Subrata, P. Mayilvahanan, and Ramya Govindaraj. "Optimal feature extraction and classification-oriented medical insurance prediction model: machine learning integrated with the internet of things." International Journal of Computers and Applications (2020): 1-13.-Scopus Indexed.
9. • Govindaraj, Ramya, et al. "A Review on Various Applications of Reputation Based Trust Management." International Journal of Interactive Mobile Technologies 15.10 (2021)-Scopus Indexed. • Nguyen, Thi Thu, et al. "Develop algorithms to determine the status of car drivers using built-in accelerometer and GBDT." International Journal of Electrical and Computer Engineering 12.1 (2022): 785-Scopus Indexed

Patents

Published
1• Title of the invention "A system of oriented medical insurance prediction with Machine Learning Integrated IoT" Applications no: 201941041623 A, filed and published 2019.
2• Title of the invention "Improved Method for Energy Efficient Road Side Lamp Utilization" Applications no: 202041001118 A, filed and published 2020.
3 •Title of the invention "A Smart Algorithm for Source Allocations and Self-Management of Wireless Gateway" Applications no: 202021004742 A, filed and published 2020.
4 •Title of the Invention "VR Based Psychological and Physical Training to Girls for Self-Défense." Applications no:202011050375 files and published 2020.

Granted
1• Title of the Invention "A System for the medical cloud data classifications for IoT Aware Smart Healthcare" Application no: 2021103995, files and granted 9July 2021.
2 • Title of the inventions "IOT Enable device for Security", Design No: 358003-001files and granted 25 April 2022
.3 • Title of the Inventions "Intelligent hybrid management system to predict e-commerce user churn in e-commerce using data mining and deep learning", Application no: 20 2022 100 697.0files and granted 21March 2022

Books Publications

• "A Simple guide to Emerging and Current technologies in IoT" was published by Blue Rose Publishing House at New Delhi,2018. ISBN: "978- 93-88287-61-6"
 •"A study guide for the beginners basics of the blockchain" was published by the horizon books publications house at madhypradesh2020. ISBN "978-81-944699-9-5".
• "E-Learning-Business and E-Management in Contemporary World" was published by the Lambert Academic Publishing Germany LAP 2020. ISBN: "978-620-2-80154"
. • "Human Computer Interaction- Inter Design Foundations "was published by Lambert Academic Publishing, Germany ,2021, ISBN: "978-620-4-201".

DETAILS OF WORKSHOPS

Workshop Attended:

1. Participated in the Latex for Professional Writing Workshop on dt.
2. • H. Jha, S. Chowdhury, and G. Ramya, "Survey on various Scheduling Algorithms," no. 5, pp. 3–6, 2017.15th dec.2018 conducted by VIT Vellore.
3. .Participated in the Simulation-Driven Innovation for E-Mobility on dt 27th may.2020 conducted by ALTAIR India SRM University.
4. .Participated in the Second International Workshops on Fundamental of Machine Learning Over Network on dt.18th-19th may.2020 conducted by the KTH Royal Instituted of Technology, Stockholm, Sweden.

DETAILS OF FACULTY DEVELOPMENT PROGRAMMES

1. . • Participated and attended the FDP approved by the AICTE on "Artificial Intelligence and Machine Learning using Python" organised by the Govt Engineering College, Bikaner, Rajasthan, on 6.12.2021 to 11.12.2021.
2. • Participated and attended the FDP approved by the AICTE on "Computer Vision-the Artificial Intelligence for an Eye" organised by the IIT, Indore, MadhyPradesh, on 21.2.2022 to 27.2.2022.

DETAILS OF ONLINE COURSE CERTIFICATIONS

1• Agile Projects managements 200+ Tools with Kanban Scrum Devops, Issued Aug 2020
2• The Complete Personal Development Course, Issued July 2020
3 • Blockchain Made Easy, Issued Jun 2020
4• Cyber Crimes and its Preventive Measures, Issued Jun2020
.5 • IoT With Phyton, issued Jun2020. • Learn to Code Python, issued Jun 2020.
6 • Machine learning Basics: Logistics Regression, LDA&KNN in R, Issued Jun2020.
7 • The Complete Ethical Hacking Course, Issued Jun2020.
8• The Complete Train the Trainer Bootcamp- Beginners- Advanced, Issued Jun2020.
9• Ultimate Google Cloud Certifications, Issued Jun2020