

Final List of Papers Selected for BIM 2021

***Authors marked as red are the registered author(s) of the corresponding paper.**

- 1. Performance Analysis of Classifier for Chronic Kidney Disease Prediction Using SVM, DNN, and KNN**
Md. Omaer Faruq Goni, Abdul Matin, Tonmoy Hasan, and Md.Rafidul Islam Sarker
- 2. Comparative Analysis of Machine Learning Techniques in Classification Cervical Cancer using Isolation Forest with ADASYN**
Fariha Iffath, **Sabrina Jahan Maisha**, and Maliha Rashida
- 3. Computer-Aided Cataract Detection Using Random Forest Classifier**
Tasmina Tasin, and Mohammad Ashfak Habib
- 4. COV-Doctor: A Machine Learning Based Scheme for Early Identification of COVID-19 in Patients**
Ferdib-AI-Islam, and Mounita Ghosh
- 5. Ovarian Cancer Prediction from Ovarian Cysts Based on TVUS Using Machine Learning Algorithms**
Laboni Akter, and Nasrin Akhter
- 6. A Comprehensive Analysis of Most Relevant Features Causes Heart Disease using Machine Learning Algorithms**
Faria Rahman, and Md. Ashiq Mahmood
- 7. Early Stage Detection of Heart Failure using Machine Learning Techniques**
Zulfikar Alom, Mohammad Abdul Azim, Zeyar Aung, Matloob Khushi, Josip Car, and **Mohammad Ali Moni**
- 8. Automatic License Plate Recognition System For Bangladeshi Vehicles Using Deep Neural Network**
Syed Nahin Hossain, Md. Zahim Hassan, and Md. Masum Al Masba
- 9. Vulnerability Analysis and Robust Training with Additive Noise for FGSM attack on Transfer Learning based Brain Tumor Detection from MRI**
Debashis Gupta, and Biprodip Pal
- 10. Performance Evaluation of Convolution Neural Network based Object Detection Model for Bangladeshi Traffic Vehicle Detection**
S. M. Sadakatul Bari, Rafiul Islam, and Syeda Radiatum Mardia
- 11. Hyperspectral Image Classification Using Factor Analysis and Convolutional Neural Networks**
A.F.M. Minhazur Rahman, and Boshir Ahmed
- 12. A Convolutional Neural Network Model for Screening COVID-19 Patients Based on CT Scan Images**
Md. Fazole Rabbi, **S. M. Mahedy Hasan**, Arifa Islam Champa, Md. Rifat Hossain, and Md. Asif Zaman
- 13. Real-Time Face Recognition System for Remote Employee Tracking**
Mohammad Sabik Irbaz, **Md Abdullah Nasim**, and Refat E Ferdous
- 14. Large Scale Image Registration Utilizing Data-tunneling in the MapReduce Cluster**
Amit K. Mondal, Banani Roy, Chanchal K. Roy, and Kevin A. Schneider
- 15. Incorporation of Kernel Support Vector Machine for Effective Prediction of Lysine Formylation from Class Imbalance Samples**
Md. Sohrawordi, and Md. Ali Hossain
- 16. Extreme Gradient Boost with CNN: A Deep Learning Based Approach for Predicting Protein Subcellular Localization**
Md. Ismail, and Md. Nazrul Islam Mondal

Final List of Papers Selected for BIM 2021

***Authors marked as red are the registered author(s) of the corresponding paper.**

17. **Enhancing the Performance of 3D Rotation Perturbation in Privacy Preserving Data Mining using Correlation based Feature Selection**
Mahit Kumar Paul, and Md. Rabiul Islam
18. **Developing a Text-mining Framework to Analyze Cricket Match Commentary to Select Best Players**
Ratul Roy, Md. Rashadur Rahman, M Shamim Kaiser and **Mohammad Shamsul Arefin**
19. **Indexed Top-k Dominating Queries on Highly Incomplete Data**
H. M. Abdul Fattah, K. M. Azharul Hasan, and Tatsuo Tsuji
20. **Development of an Efficient ETL Technique for Data Warehouses**
Md Badiuzzaman Biplob, and Md. Mokammel Haque
21. **Downlink Performance Enhancement of High Velocity Users in 5G Networks by Configuring Antenna System**
Marica Sharaf Anzum, Moontasir Rafique, Asif Ishrak Sarder, Fehima Tajrian, and Abdullah Bin Shams
22. **Artificial Bee Colony and Genetic Algorithm for Optimization of Non-smooth Economic Load Dispatch with Transmission Loss**
Mohammad Hanif, and Nur Mohammad
23. **Forecasting Closing Price of Stock Market Using LSTM Network: An Analysis from the Perspective of Dhaka Stock Exchange**
Md. Mohsin Kabir, Aklima Akter Lima, M. F. Mridha, Md. Abdul Hamid, and Muhammad Mostafa Monowar
24. **A Dimensionality Reduction based Efficient Multiple Voice Disease Recognition Scheme using Mel-Frequency Cepstral Coefficients and K-Nearest Neighbors Algorithm**
Shovan Bhowmik, Mahedi Hasan, and Muhammad Ataul Hakim
25. **Dynamic Topology Reconstruction on Next Generation WLAN using Spatial Reuse Gain by DBSCAN Clustering Algorithm**
Maleeha Sheikh, Syeda Myesha Mashuda, Redwan Abedin, and Md. Obaidur Rahman
26. **Aggressive Fault Tolerance in Cloud Computing using Smart Decision Agent**
Md. Mostafijur Rahman, and Mohammad Abdur Rouf
27. **Classification of Functional Grasps Using Hybrid CNN/LSTM Network**
C Millar, **N Siddique**, and E Kerr
28. **Fire Safety and Supervision System: Fire Hazard Monitoring Based on IoT**
Ahsan Habib, Srejon Sharma, Mohammad Riduanur Rahman, Md. Neamul Haque, and Mohammad Ariful Islam Bhuyan
29. **Development of an Optimal Design and Subsequent Fabrication of an Electricity Generating Ground Platform from Footstep**
Sudipta Mondal, Md. Tazul Islam, **Arnab Das**, and Mayeen Uddin Khandaker
30. **An Automated Planning Approach for Scheduling Air Conditioning Operation using PDDL+**
Amina Shaikh Miah, Fazlul Hasan Siddiqui, and Md. Waliur Rahman Miah
31. **Nuclear Power Plant Burst Parameters Prediction during a Loss-Of-Coolant Accident Using an Artificial Neural Network**
Priyanti Paul, Md Saiful Islam, Zazilah May, and Md Khorshed Alam
32. **IoT Controlled Six Degree of Freedom Arm Model for Repetitive Tasks**
Aditi Barua, Md. Tazul Islam, Aidid Alam, and Suvrangshu Barua

Final List of Papers Selected for BIM 2021

***Authors marked as red are the registered author(s) of the corresponding paper.**

33. **An ECC based Secure Communication Protocol for Resource Constraints IoT Devices in Smart Home**
Towhidul Islam, Ravina Akter Youki, Bushra Rafia Chowdhury, and A S M Touhidul Hasan
34. **IoT Based Smart Blind Stick**
Asraful Islam Apu, **Al-Akhir Nayan**, Jannatul Ferdaous, and Muhammad Golam Kibria
35. **Deep Learning Techniques in Cyclone Detection with Cyclone Eye Localization Based on Satellite Images**
Md. Nazmul Haque, A A M Ashfaque Adel, and Kazi Saeed Alam
36. **Detection of Autism Spectrum Disorder by Discriminant Analysis Algorithm**
Mirza Muntasir Nishat, **Fahim Faisal**, Tasnimul Hasan, Sarker Md. Nasrullah, Afsana Hossain Bristy, Md. Minhajul Islam Shawon, and Md Ashraful Hoque
37. **A BRBES to Support Diagnosis of Covid-19 Using Clinical and CT Scan Data**
S. M. Shafkat Raihan, Raihan UIIslam, Mohammad Shahadat Hossain, and Karl Andersson
38. **Performance Analysis of Particle Swarm Optimization and Genetic Algorithm in Energy-saving Elevator Group Control System**
Mohammad Hanif, and Nur Mohammad
39. **An Automated and Online Based Medicine Reminder and Dispenser**
Shayla Sharmin, Md. Ibrahim Khulil Ullah Ratan, and Ashraful Haque Piash
40. **Power Transformer Fault Diagnosis with Intrinsic Time-scale Decomposition and XGBoost Classifier**
Shoaib Meraj Sami, and Mohammed Imamul Hassan Bhuiyan
41. **Human Fall Classification from Indoor Videos Using Modified Transfer Learning Model**
Arifa Sultana, and Kaushik Deb
42. **Road Sign Detection Using Variants of YOLO and R-CNN: An Analysis from the Perspective of Bangladesh**
Aklima Akter Lima, **Md. Mohsin Kabir**, Sujoy Chandra Das, Md. Nahid Hasan, and M. F. Mridha
43. **Densely-Populated Traffic Detection using YOLOv5 and Non Maximum Suppression Ensembling**
Raian Rahman, **Zadid Bin Azad**, and Md. Bakhtiar Hasan
44. **Real-Time Pothole Detection and Localization Using Convolutional Neural Network**
Atikur Rahman, **Rashed Mustafa**, and Mohammad Shahadat Hossain
45. **Analysis of EEG signal Classification for Application in SSVEP based BCI using Convolutional Neural Network**
Md. Saiful Islam Leon, Jarina Akter, Nasmus Sakib, and **Md. Kafiul Islam**
46. **A Blockchain-based Approach to Detect Counterfeit Drugs in Medical Supply Chain**
Shabnam Sabah, A S M Touhidul Hasan, and Apubra Daria
47. **Enhanced Steganography Technique via Visual Cryptography and Deep Learning**
Tasfia Seuti, **Md. Al Mamun**, and A H M Sarowar Sattar
48. **Developing A Framework for Credit Card Fraud Detection**
Yeasin Arafath, Animesh Chandra Roy, M Shamim Kaiser and Mohammad Shamsul Arefin
49. **Automatic Malware Categorization based on K-Means Clustering Technique**
Nazifa Mosharrat, Iqbal H. Sarker, Md Musfique Anwar, Muhammad Nazrul Islam, Paul Watters, and Mohammad Hammoudeh

Final List of Papers Selected for BIM 2021

***Authors marked as red are the registered author(s) of the corresponding paper.**

50. **Improved Spam Email Filtering Architecture using Several Feature Extraction Techniques**
Priyo Ranjan Kundu Prosun, Kazi Saeed Alam, and **Shovan Bhowmik**
51. **Detecting Smishing-Attacks using Feature Extraction and Classification Techniques**
Rubaiath E Ulfath, Iqbal H. Sarker, Mohammad Javed Morshed Chowdhury, and Mohammad Hammoudeh
52. **InterPlanetary File System-based Decentralized and Secured Electronic Health Record System using a Lightweight Algorithm**
Sanjida Sharmin, Iqbal H. Sarker, M Shamim Kaiser and Mohammad Shamsul Arefin
53. **Multi-Label Emotion Classification of Tweets using Machine Learning**
Simon Islam, Animesh Chandra Roy, Mohammad Shamsul Arefin, and Sonia Afroz
54. **Bangla News Classification using GloVe Vectorization, LSTM and CNN**
Pallab Chowdhury, Ettilla Mohiuddin Eumi, Ovi Sarkar, and Md. Faysal Ahamed
55. **An Ensemble Method Based Machine Learning Approach Using Text Mining to Identify Semantic Fake News**
Fahima Hossain, Mohammed Nasir Uddin, and Rajib Kumar Halder
56. **Fuzzy Logic Based Assessment of Students Learning Outcome in Implementing Outcome Based Education**
Abdul Aziz, and M. M. A. Hashem
57. **Performance Comparisons in Association Rule Mining over Public Datasets**
Jaher Hassan Chowdhury, Md. Billal Hossain, M Shamim Kaiser, and **Mohammad Shamsul Arefin**
58. **Students' Satisfaction with Virtual Interaction Mediated Online Learning: An Empirical Investigation**
Md. Hafiz Iqbal, Md Masumur Rahaman, Md Shakil Mahamud, **Serajum Munira**, Md. Armanul Haque, Md. Amirul Islam, Md. Abdul Mazid, and Md. Elias Hossain
59. **Identification of the Resting Position Based on EGG, ECG, Respiration Rate and SpO2 Using Stacked Ensemble Learning**
Md. Mohsin Raihan, Muhammad Muinul Islam, Fariha Fairoz, and Abdullah Bin Shams
60. **Cloud-based Smart Parking Reservation System using IoT**
Abhijit Pathak, Abrar Hossain Tasin, Md. Shahid Uddin Rahat, **Vicky Barua**, Munna Das, and Sudarshan Das
61. **Multi-labelled Bengali Public Comments Sentiment Analysis with Bidirectional Recurrent Neural Networks (Bi-RNN)**
Promila Ghosh, M. Raihan, Nishat Tasnim Tonni, Himadri Sikder Badhon, Sayed Asaduzzaman, and Hasin Rehana
62. **Machine Learning and Blockchain based privacy-aware: Cognitive Radio Internet of Things**
Md Shamim Hossain, Kazi Mowdud Ahmed, Md Khairul Islam, Md Mahbubur Rahman, and Md Sapon Miah
63. **Machine Learning Based Models for Predicting Autism Spectrum Disorders**
S. M. Mahedy Hasan, Md. Fazle Rabbi, Arifa Islam Champa, Md. Rifat Hossain, and Md. Asif Zaman
64. **An Empirical Study on Dimensionality Reduction Approach for F-Commerce Dataset by Principal Component Analysis**
Shahadat Hossain, Md. Manzurul Hasan, and Tanvir Hossain
65. **Implementing Machine learning through the Neural Network for the Time Delay SIR Epidemic model for the Future Forecast**
S. A. Iqbal, M.G.Hafez, and A.N.M. Rezaul Karim

Final List of Papers Selected for BIM 2021

***Authors marked as red are the registered author(s) of the corresponding paper.**

66. **BN-HTRd: A Benchmark Dataset for Document Level Online Bangla Handwritten Text Recognition (HTR) and Line Segmentation**
Md. Aatur Rahman, **Nazifa Tabassum**, Mitu Paul, Riya Pal, and Mohammad Khairul Islam
67. **A New Approach Using Convolutional Neural Network for Crops and Weeds Classification**
Nawmee Razia Rahman, and Md. Nazrul Islam Mondal
68. **Factors Influencing Online Purchase Intention of Bangladeshi Young Social Network Users: A Linear Regression Analysis**
Aslam Sikder, Md. Waliur Rahman Miah, Bimal Chandra Das, and Md. Mijanur Rahman
69. **Lemon Fruits Detection and Instance Segmentation under Orchard Environment using Mask R-CNN and YOLOv5**
S M Shahriar Sharif Rahat, Manjara Hasin Al Pitom, Mridula Mahzabun, and Md. Shamsuzzaman
70. **An Ethereum Blockchain-Based Healthcare System using Smart Contract**
Tamanna Tabassum, Fatema Akter, and Mohammed Nasir Uddin
71. **A Deep Learning Approach in Detailed Fingerprint Identification**
Mohiuddin Ahmed, Abu Sayeed, Azmain Yakin Srizon, Md Rakibul Haque and Md. Mehedi Hasan
72. **Probing Skin Lesions and Performing Classification of Skin Cancer Using EfficientNet while Resolving Class Imbalance Using SMOTE**
Md Rakibul Haque, Azmain Yakin Srizon, and **Mohiuddin Ahmed**
73. **Bangla Fake News Detection Using Hybrid Deep Learning Models**
Md. Rakibul Hasan Shezan, Mohammed Nasif Zawad, Yeasir Arafat Shahed, and Shamim Ripon
74. **Adaptive Decay and Radius based Evolving Clustering Approach for Data Stream**
Sathi Rani Pal, **Md Manjur Ahmed**, K. M. Azharul Hasan, and Rahat Hossain Faisal
75. **Advanced GradCAM++: Improved Visual Explanations of CNN's Decision in Diabetic Retinopathy**
Md. Shafayat Jamil, Sirdarta Prashad Banik, G. M. Atiqur Rahaman, and Sajib Saha
76. **Bangla Sign Language Recognition using Concatenated BdSL Network**
Thasin Abedin, Khondokar S. S. Prottoy, Ayana Moshruha, and Safayat Bin Hakima
77. **Solar Powered Smart Street Light and Surveillance System using IoT**
Sadika Sultana Meem, and Nusrath Tabassum
78. **Analysis of Aquaculture for Cultivating Different Types of Fish**
Nayeem Abdullah, Ahnaf Shahriyar Chowdhury, Md. Mehedi Hossain, **Orko Dutta**, and Jia Uddin
79. **Prediction of PCOS Using Machine Learning and Deep Learning Algorithms**
Syed Mohammed Farhan, Maimuna Manita Hoque, and Mohammed Nazim Uddin
80. **Malware Detection: Performance Evaluation of ML Algorithms based on Feature Selection and ANOVA**
Nazma Akther, Md. Neamul Haque, and Khaleque Md. Aashiq Kamal
81. **Employee Turnover Prediction Using Machine Learning Approach**
Md. Ali Akbar, Kamruzzaman Chowdhury, and Mohammed Nazim Uddin
82. **Crime-finder: A System for Extraction and Visualization of Crime Data from Bengali Online Newspaper Articles**
Md Abdulla Al Mamun, Md Abul Kalam Azad, and Md Ileas Pramanik
83. **ChestXRNet: A Multiclass Deep Convolutional Neural Networks for Detecting Abnormalities in Chest X-Ray Images**
Ahmad Sabbir Chowdhury, and Aseef Iqbal

Final List of Papers Selected for BIM 2021

***Authors marked as red are the registered author(s) of the corresponding paper.**

84. **An Efficient Approach to Assess the Soil Quality of Sundarbans Utilizing Hierarchical Clustering**
Diti Roy, **Md. Ashiq Mahmood**, and Tamal Joyti Roy
85. **A Machine Learning Approach to Clinically Diagnose Human Pyrexia Cases**
Dipon Talukder and Md Mokammal Haque
86. **Prediction of the Dengue Incidence in Bangladesh using Machine Learning**
Md. Al Mamun and Abu Zahid Bin Aziz, Md. Palash Uddin, and Md Rahat Hossain
87. **A BERT Based Emotion Classification Approach with Explanation and Analysis of COVID-19 Pandemic TWEETS**
Md. Shahad Mahmud Chowdhury, and Biprodip Pal
88. **Emotion Detection from Natural Text using Embedding Techniques for Efficient Affective Computing**
Samariya Nawrin, and K. M. Azharul Hasan
89. **Performance Analysis of Energy-Aware DTN Routing Protocols in Opportunistic Network**
Taslima Akhter, and Md. Sharif Hossen
90. **Performance Investigation among Heterogeneous Routing Techniques in Wireless Sensor Networks**
Taspia Salam, and Md. Sharif Hossen
91. **Analysis of Physical and Psychological Impacts to Predict Overall Satisfaction of Students towards E-Learning System during COVID-19 Pandemic**
Sudipta Nath
92. **SeniorsAid: Requirements Elicitation and Development of a Mobile Application for Senior Citizens**
Maliha Sultana, Akash Poddar, Muhammad Nazrul Islam, and Tasmiah Tamzid Anannya
93. **Achieving Human Level Performance on the Original Omniglot Challenge**
Shamim Ibne Shahid
94. **A Comparative Study of Big Data Visualization Tools and Techniques**
Khadija Begum, Md Mamunur Rashid and Mohammad Arafath Uddin Shariff
95. **Detecting DNS over HTTPS Traffic Using Ensemble Feature Based Machine Learning**
Sajal Saha, Moinul Islam Sayed and Rejwana Islam
96. **Towards Reliable Power Supply: An Approach to Low-cost IoT-based Power Interruption Monitoring System**
Deepak Chandra Roy, Md Shazzad Hossain, Amit Kumar Das, Md. Ashraf Ali, and **Mohammad Azam Khan**
97. **Multi-level Voting Models in Cyber Aggression Detection for Bangla Texts**
Samin Yasar, Md. Mahfuzul Haque Gazi, and Kazi Saeed Alam
98. **Development of Risk-Free COVID-19 Screening Algorithm from Routine Blood Test using Ensemble Machine Learning**
Md. Mohsin Sarker Raihan, Md. Mohi Uddin Khan, Laboni Akter, and Abdullah Bin Shams
99. **A Cognitive Approach for Load Adaptive MAC Protocol in Wireless Body Area Networks**
Md. Mortuza Hossain, Md. Monirul Islam and Md. Obaidur Rahman
100. **Discrete Tone Driven Directional Rate Controlled Communication System for Wireless Networks**
Sweety Mondal, Md. Tareq Mahmud, and Md. Obaidur Rahman

Final List of Papers Selected for BIM 2021

***Authors marked as red are the registered author(s) of the corresponding paper.**

101. **A Transfer Learning Approach to Recognize Pedestrian Attributes**
Saadman Sakib, Anik Sen, and **Kaushik Deb**
102. **Blockchain-Based Secure Medical Data Management With Enabling IoT**
Naymul Ekram, Md. Nazmul Hasan, Muhammad Seikh Sadi, and Mohammad Shahriar Rahman
103. **A Real-time Classification Model for Bengali Character Recognition in Air-Writing.**
Mohammed Abdul Kader, Muhammad Ahsan Ullah, and **Md Saiful Islam**
104. **A Dynamic Topic Identification and Labeling Approach of COVID-19 Tweets**
Khandaker Tayef Shahriar, Iqbal H. Sarker, Muhammad Nazrul Islam, and Mohammad Ali Moni
105. **TF-IDF Feature-based Spam Filtering of Mobile SMS using Machine Learning Approach**
Syed Md. Minhaz Hossain , Khaleque Md. Aashiq Kamal , Anik Sen and Iqbal H. Sarker
106. **Content-based Spam Email Detection Using N-gram Machine Learning Approach**
Nusrat Jahan Euna, Syed Md. Minhaz Hossain, Md. Musfique Anwar and Iqbal H. Sarker
107. **A Deep Learning Approach for Covid-19 Detection in Chest X-Rays**
SK. Shalauddin Kabir, Mohammad Farhad Bulbul, Hazrat Ali, Fee Faysal Ahmed, and Syed Galib
108. **Automatic Image Captioning Using Deep Learning**
Toshiba Kamruzzaman, Abdul Matin, Tasa Seuti, and Md. Rakibul Islam
109. **A Convolutional Neural Network Based Approach to Recognize Bangla Handwritten Characters**
Mohammad Golam Mortuza, Md. Saiful Islam, Md. Humayun Kabir, and Uipil Chong
110. **Flood Region Detection Based on K-Means Algorithm and Color Probability**
Promiti Chakraborty, Sabiha Anan, and Kaushik Deb
111. **AI Poet: A Deep Learning Based Approach to Generate Artificial Poetry in Bangla**
Hasan Murad, and **Rashik Rahman**
112. **Bio-Inspired Meta-Heuristic Optimization Techniques for Designing DC-DC Boost Converter with LQR Controller in a DC Microgrid System**
Md. Hassanul Karim Roni, and M. S. Rana
113. **Mining Significant Pre-diabetes Features of Diabetes Mellitus: A Case Study of Noakhali, Bangladesh**
Md. Shahriar Satu, Koushik Chandra Howlader, Avijit Barua, and Mohammad Ali Moni
114. **Document Level Comparative Sentiment Analysis on Bangla News using Long-Short Term Memory and Machine Learning Approaches**
Nuren Nafisa, **Sabrina Jahan Maisha**, and Abdul Kadar Muhammad Masum
115. **Analyzing IT Job Market and Classifying IT Jobs Using Machine Learning Algorithms**
Sharmin Akter, Nabila Nawal, **Ashim Dey**, and Annesha Das
116. **IoT Based Smart Kitchen Security System**
Al-Akhir Nayan, Joyeta Saha, Jannatul Ferdaous, and Muhammad Golam Kibria
117. **Fabrication of Smart Eye Controlled Wheelchair for Disabled Person**
Md. Anisur Rahman, Md. Abdur Rahman, Md. Imteaz Ahmed, and Md. Iftekher Hossain
118. **Binary Classification of Brain MRI Images for Detection of Brain Tumor Using Convolutional Neural Network**
Anika Bushra Chowdhury, and Emrana Kabir Hashi
119. **Android-based Clinical Health Management System: Bangladesh Perspective**
Abhijit Pathak, Najnin Akter Nipa, **Diprodip Das**, Sharmin Akter, and Dipen Dey

Final List of Papers Selected for BIM 2021

***Authors marked as red are the registered author(s) of the corresponding paper.**

120. **An Approach to Digitalize the Health Care System of Bangladesh using Smartphone**
Md. Kamrul Hossain, Ahmed Imteaj, Kazi Hassan Shakib, Saika Zaman, Khalid Ibn Zinnah, and Akber Hossain
121. **Smart Phone Based System to Find the Nearest Hospitals and Doctors with Fixed Appointment**
Osman Billah
122. **PFSRD-CF: Purchase Frequency and Square Root Distance based Item-to-Item Collaborative Filtering for Removing Cold Start Problem**
Sobhana Jahan, Rushda Alam, Md. Nahid Hasan Shuvo, and S. M. Salim Reza
123. **Skin Cancer Classification Using Ensembles of Multi-scale EfficientNets Model**
Md. Maruf Hossain, and Emrana Kabir Hashi
124. **Predicting Best Mobile Operator Using CatBoost Algorithm**
Md Mushfiqur Rahman, and Mohammad Shamsul Arefin
125. **Prediction of Weather Conditions in Bangladesh Using Artificial Intelligence**
Shifat E Arman, **Shamim Ahmed Deowan**, Niloy Irtisam, Kaies Al Mahmud, and Rafiqul Islam
126. **An Overview of the Latest Research Efforts in the Recommendation System Field**
Sobhana Jahan, Rushda Alam, and Md. Nahid Hasan Shuvo
127. **Predicting Buying Intention of Online Shoppers Using Ensemble Machine Learning**
Gobinda Chakraborty, and Muhammad Anwarul Azim
128. **Language Translation Using Neural Machine Translation**
Nusrat Jahan Suha, Md. Ashikur Rahman Khan, and Zayed-Us-Salehin
129. **Design and Fabrication of Color Sorting Machine for Industrial Conveyor-Based Process**
Tasnuva Jahan Nuva, Md. Imteaz Ahmed, and Md. Abdur Rahman
130. **Diagnosis of Malignant Melanoma using Color and Textural Features from Dermoscopic Images**
Shahrin Akter, Joynob Binte Ahmed, M. A. Hafiz, and Nusrat Jahan
131. **Negative Sentence Detection through AI Bangla Voice Assistant by DNN using Bag-of-Words**
Rafeed Mohammad, Md. Mir Hossain, Shahadat Hossain, Tanvir Hossain, and Md. Manzurul Hasan
132. **Route Optimization for Solving School Bus Routing Problem Using Meta-Heuristic Approaches- A Case Study**
Zahrul Jannat Peya, Nusrat Jahan Arthi, Nilufa, Bappy Khan and Mahamudul Islam Rony
133. **A Supportive System for Visually Handicapped Person Implementing Obstacle and Lane Detection**
Asiful Haque Joarder, Md. Abdur Rahman, Md. Imteaz Ahmed and Md. Mizanul Islam
134. **Class Imbalance Problems in Machine Learning: A Review of Methods and Future Challenges**
Nazim Uddin Niaz, K. M. Nadim Shahariar, **Muhammed J. A. Patwary**, and A. N. M. Rezaul Karim
135. **Brain Tumors Classification from MRI Images Using Morphological Reconstruction and Convolutional Neural Network**
Takowa Rahman, and Md. Saiful Islam
136. **Towards an Automated Framework to Check the Standard of Examination Questions**
Mohammad Shafiqul Islam, and **Mohammad Shamsul Arefin**

Final List of Papers Selected for BIM 2021

***Authors marked as red are the registered author(s) of the corresponding paper.**

137. **Development and Optimization of a Real-time Server-based IoT Box: A Smart Home Automation System and its Subsequent Fabrication**
Sarker Safat Mahmud, **Arnab Das**, Sarker Shahriar Mahmud, Md. Tazul Islam, Md. Ajwad Mohimin, Md. Ihsanul Haque, and Rafat Rashid
138. **Controlling of a 360 Degree Rotating Vehicle with Arduino and Bluetooth Module**
Mahbubur Rahman Tanvir and Md. Tazul Islam
139. **Smart Room Monitoring and Controlling System Using Internet of Things**
Md. Mizanul Islam, Md. Abdur Rahman, Md. Imteaz Ahmed, and Asiful Haque Joarder
140. **Remotely Controllable Driverless Vehicle Equipped With Computer Vision**
Masud Ahmed Rifat, Md. Abdur Rahman, Md. Imteaz Ahmed, and S. M. Fahim Faisal

=====End=====