

Paper ID	Authors and Title
4	Mir Sakhawat Hossain and Banrupa Mallik. SALSA is an ICT based educational tool for Astrophysics students to study structure and dynamics of Milky Way Galaxy
6	Mohammad Nooruddin Nooruddin and Moshiur Rahman. Improved 3D Reconstruction for Images having Moving Object using Semantic Image Segmentation and Binary Masking
7	Bayezid Islam, Firoz Mahmud and Arfat Hossain. Facial Expression Region Segmentation Based Approach to Emotion Recognition Using 2D Gabor Filter and Multiclass Support Vector Machine
8	Sibendu Sarker. Automated Profile Building using Publicly Available Social Media Data
11	Bayezid Islam, Arfat Hossain and Firoz Mahmud. High Performance Emotion Recognition System Using Facial Region Segmentation, Fusion of HOG & LBP Features and Multiclass Support Vector Machine Classifier
12	Enamul Haque, Sm Zobaed, Muhammad Usama Islam and Faaiza Mohammad Areef. Performance Analysis of Cryptographic Algorithms for Selecting Better Utilization on Resource Constraint Devices
23	Bayezid Islam, N. I. Md. Ashafuddula and Firoz Mahmud. A Machine Learning Approach to Detect Self-Care Problems of Children with Physical and Motor Disability
32	Chowdhury Rahman, Lameya Afroze, Naznin Refath and Nafin Shawon. Iterative Feature Selection using Information Gain & Naïve Bayes for Document Classification
37	Porimol Chandro, Mohammad Mahbubur Rahman, Md. Faizul Huq Arif, Md. Saeed Siddik, Mohammad Sayeedur Rahman and Md. Abdur Rahman. Automated Bengali Document Summarization By Collaborating Individual Word & Sentence Scoring
41	Amdadul Haque, Nazia Hossain and Hedayetul Islam. Reduction of Distribution Transformer Burn in Power Sector Utilities
45	Mifta Sintaha and Moin Mostakim. An Empirical Study and Analysis of the Machine Learning Algorithms Used in Detecting Cyberbullying in Social Media
46	Md. Fazla Elahi, Hussain Nyeem and Md. Abdul Wahed. Efficient and Lossless Hiding of Electronic Patient Records in Medical Images
56	Ratul Sikder, Md. Monowar Hossain and F.M. Rahat Hasan Robi. A Nobel Analytical Text Summarization Technique For Natural Bengali Language
57	Avik Sarkar and Md. Sharif Hossen. Automatic Bangla Text Summarization Using Term Frequency and Semantic Similarity Approach
61	Sazzad Hossain Bhuiyan and Md. Mahmudul Hasan. Revenue Maximization in Cloud Federation Based on Multi-choice Multidimensional Knapsack Problem
63	Md Mosharaf Hossain, Thomas Hines, Sheikh Ghafoor, Ryan Marshall, Muzakhir Amanzholov and Ramakrishnan

Paper ID	Authors and Title
	Kannan. Performance Issues of SYRK implementations in Shared Memory Environments for Edge Cases
65	Kazi Masudul Alam, Binayak Ray, Md. Masum Moral and Aysha Akther. Applying Online-based Publisher-Subscriber Network to Distribute Notice in Academic Institutions of Bangladesh
66	Orvila Sarker, Mehedi Hasan and N.M. Istiak Chowdhury. A Secure Web Server for E-Banking
75	Ahmed Abdullah Ibrahim. Carbon Dioxide and Carbon Mono oxide Level Detector
79	Mohammad Masudur Rahman, Md. Faisal Kabir and Mohammad Nurul Huda. A Corpus Based N-gram Hybrid Approach of Bengali to English Machine Translation
81	Ashraful Hossain Howlader, Md. Sherajul Islam and A.S.M. Jannatul Islam. Study on Phonon Transmission of (10,0) Silicon Nanotube with Atomic Vacancies
83	Saimoom Safayet Akash, Sandip Kabiraz, Sabbir Arif Siddique, Ishteaque Alam, Sm Ashraful Islam and Mohammad Nurul Huda. A Real Time Approach for Bangla Text Extraction and Translation from Traffic Sign
87	Shaikh Akib Shahriyar, Kazi Md. Rokibul Alam, Sudipta Singha Roy and Yasuhiko Morimoto. An Approach for Multi Label Image Classification Using Single Label Convolutional Neural Network
89	Nahida Sultana Chowdhury and Rajeev Raje. A Holistic Ranking Scheme for Apps
92	Kamal Hosen, Baizid Kabir, A.S.M. Jannatul Islam and Md. Sherajul Islam. Vacancy Induced Electron-Phonon Interaction of Single Layer Graphene
93	Asif Anik, Rayeesa Jameel and Nahin Amin. Analyzing of Yelp reviews using Sentiment Analysis
95	Ashadullah Shawon, Syed Tauhid Zuhori, Firoz Mahmud and Md. Jamil-Ur Rahman. Website Classification Using Word Based Multiple N-Gram Models And Random Search Oriented Feature Parameters
101	Arman Ibn Shahjahann and M M Shourov Akter. Development technique of NTSC color Gamut more than 107% within Full HD resolution in LED TV display using Quantum dot film based direct type back light structure
102	Nishargo Nigar and Mohammed Nazim Uddin. An mHealth Platform using Transfer Learning and Internet of Things to Improve Children's Health Consciousness and Behavior
114	Mohammad Woli Ullah, Mohammad Azazur Rahman, Faisal Shahriar, Zia Uddin Ahmed, Muhammad Mostafa Amir Faisal, Mohammed Jashim Uddin and Syed Zahidur Rashid. Enlightenment of Saint Martin Island: Underwater Submarine Cable and Its Reliability
116	Joydwip Mohajon, Zakaria Ahammed and Kamrul Hasan Talukder. An Improved Approach in Audio Steganography Using Genetic Algorithm with K-bit Symmetric Security Key
120	Saima Shahzadi, Muhammad Zeeshan and Muhammad Zeeshan. Multimode Wideband waveform for Software Defined Radio based on hybrid CPM-CDMA

Paper ID	Authors and Title
126	Mohammad Rasool Tanhatalab, Panteleimon Balis, Seyed Majid Jafari Joor Jadeh, Amirhossein Orouji Esfahani and Majid Kooshke Baghi. LTE Practical Optimization Achievements on Throughput in Live Cellular Networks
127	Sakifa Aktar, Dr. Md. Al Mamun and Dr. Md. Ali Hossain. Comparative Study of Multi-View 3D Object Retrieval with Autoencoder & Deep Embedding Network
130	Md. Abu Ahammed Babu and Md. Imran Hossain Showrov. Ranking Bengali Follow-up News of a Single Topic
133	Kaium Hossain and Shanto Roy. A Data Compression and Storage Optimization Framework for IoT Sensor Data in Cloud Storage
137	Md. Abdul Kaium Khan, Towqir Ahmed Shaem, Mahbubur Rahman, Abdullah Zowad Khan and Mohammad Shah Alamgir. A Portable and Less Time Consuming Wireless Biometric Attendance System for Academic Purpose Using NodeMCU Microcontroller
139	Sarfaraz Newaz, Ryhan Ahmed Tamim, Md. Hadiuzzaman Bappy, Anam Islam and Arjuman Sreashtho. Automatic Document Feeding Scanner: A Low Cost Approach
163	Tanvir Ahammad, Uzzal Kumar Acharjee and Md. Mahmudul Hasan. Energy-effective service-oriented cloud resource allocation model based on workload prediction
164	Tajul Islam and M.M.A Hashem. Task Scheduling for Big Data Management in Fog Infrastructure
170	Thajid Ibna Rouf Uday, Nazib Ahmad and Amit Ghosh. Design and Implementation of the Next Generation Mars Rover
171	Nafisa Nowshin, Zakia Sultana Ritu and Sabir Ismail. A Crowd-Source Based Corpus on Bangla to English Translation
177	Masum Shah Junayed, Afsana Ahsan Jeny and Syeda Tanjila Atik. ResNet-50: An approach for Country Identification by analyzing passport cover using a Deep CNN Based Classification
178	Rouhan Noor, Kazi Mejbaul Islam and Jakaria Rahimi. Handwritten Bangla Numeral Recognition Using Ensembling of Convolutional Neural Network
181	Sourajit Saha, Sharif Kamran and Ali Sabbir. Total Recall: Understanding Traffic Signs using Deep Hierarchical Convolutional Neural Networks
182	Prince Mahmud, Md. Sohel Rana and Dr. Kamrul Hasan Talukder. An Efficient Hybrid Exact String Matching Algorithm to Minimize the Number of Attempts and Character Comparisons.
188	Md. Shahidur Rahaman, Nawshin Rashidi Oyshee, Samiul Alim Pratic and Khondaker Abdullah Al Mamun. Development of an Intelligent Platform to Digitize Marriage, Empower Married Couple for Life and Family Wellbeing Towards Digital Bangladesh
191	Nurdan Canbaz and Tuğba Öztürk Kaya. Measuring and Improving Agile Software Development Processes

Paper ID	Authors and Title
194	Mahmudul Hasan Popel, Khan Md. Hasib, Syed Ahsan Habib and Faisal Muhammad Shah. A Hybrid Under-Sampling Method (HUSBoost) to Classify Imbalanced Data
195	Bishwajit Purkaystha, Tapos Datta, Md Saiful Islam and Marium-E- Jannat. Layered Representation of Bengali Texts in Reduced Dimension Using Deep Feedforward Neural Network for Categorization
196	Md.Khaled Amin, Khondaker Sazzadul Karim, Afrina Amin and Jinghua Li. Preliminary Enquiry into the Adoption Behavior of ICTs Enabled Products and Services at the Bottom of the Pyramid (BoP) in Bangladesh.
197	Atm Golam Bari and Alessio Gaspar. Investigating Relaxed Selection in Test-based Pareto Coevolution
198	Shaily Roy, Samiha Nanjiba and Amitabha Chakrabarty. Bitcoin Price Forecasting Using Time Series Analysis
199	Tasbiraha Athaya, Sirajum Munira, Afsana Zaman, Syed Akhter Hossain and Col A B M Humayun Kabir. A Proposed Algorithm and Architecture for Automated Meeting Scheduling and Document Management
206	M. Raihan, Muhammad Muinul Islam, Promila Ghosh, Shakil Ahmed Shaj, Muhtasim Rafid Chowdhury, Saikat Mondal and Arun More. A Comprehensive Analysis on Risk Prediction of Acute Coronary Syndrome using Machine Learning Approaches
209	Shammur Absar Chowdhury, Firoj Alam and Naira Khan. Towards Bangla Named Entity Recognition
213	Kamol Sarkar, Dhruvo Ahmad, Suvojit Kumar Singha and Mohiuddin Ahmad. Design and Implementation of a Noninvasive Blood Glucose Monitoring Device
216	Muhammad Ali Mumtaz and Muhammad Zeeshan. Analysis of Timing Synchronization Techniques in OFDM for SDR waveform: Performance Comparison
217	Bilal Ahmed and Muhammad Zeeshan. Effect of Carrier Frequency Offset on the Performance of FBMC and GFDM under Multipath Fading Channels
218	Nahid Hossain and Mohammad Nurul Huda. A Comprehensive Parts of Speech Tagger for Automatically Checked Valid Bengali Sentences
219	Sagheer Khan and Muhammad Zeeshan. Performance and Throughput Analysis of IEEE 802.11ah for Multiband Multimode Operation
221	Muhtasim Rafid Chowdhury, Md. Nurunnabi Mollah, M. Raihan, Abu Shakil Ahmed, Md. Abdul Halim and Md. Shahin Hossain. Designing a Cost Effective Prototype of an Automated Wheelchair Based on EOG(Electrooculography)
222	Golam Rabbani. Bangladeshi License Plate Detection and Recognition with Morphological Operation and Convolution Neural Network
228	Hemayet Ahmed Chowdhury, Md. Azizul Haque and Md. Saiful Islam. A Comparative Analysis of Word Embedding Representations in Authorship Attribution of Bengali Literature

Paper ID	Authors and Title
234	Sadeka Haque, Akm Shahariar Azad Rabby and Nafis Neehal. ExNET: Deep Neural Network for Exercise Pose Detection
242	Arif - Ul - Islam and Shamim Akhter. Orientation Hashcode and Artificial Neural Network Based Combined Approach to Recognize Sign Language
244	Rahat Hossain Faisal, Chandrika Saha, Md. Hasibul Hasan and Palash Kumar Kundu. Power Efficient Distant Controlled Smart Irrigation System for AMAN and BORO Rice
245	Sk Al Zaminur Rahman, Kaushik Chandra Mitra and S.M. Mohidul Islam. Soil Classification using Machine Learning Methods and Crop Suggestion Based on Soil Series
247	Mohammad Ali and Al Maruf Hassan. Develop Application for Voice Enabled IoT Device to Improve Classroom Activity
248	Md. Sanzidul Islam. Ishara-Bochon: The First Multipurpose Open Access Dataset for Bangla Sign Language Isolated Digits
256	Apon Saha, Mezbahun Nabi Tasdid and Md.Riasad Rahman. Mining Semantic Web Based Ontological Data
257	Md. Ashiq Mahmood, Tarique Latif, K.M. Azharul Hasan and Md. Riadul Islam. A Feasible 6 Bit Text Database Compression Scheme with Character Encoding (6BC)
261	Sm Zobaed, Enamul Haque, Shahidullah Kaiser and Razin Farhan Hussain. NoCS2: Topic-Based Clustering of Big Data Text Corpus in the Cloud
264	Afsana Khan, Afrida Anzum Aesha, Juthi Sarker Aka, S. M. Faisal Rahman and Md. Jamil-Ur Rahman. An IoT Based Intelligent Fire Evacuation System
266	Md Mahedi Hasan and Saiful Islam. DEEPGONET: Multi-label Prediction of GO Annotation for Protein from Sequence Using Cascaded Convolutional and Recurrent Networks
271	Sourin Dey and Md. Ashrafal Alam. Formant Based Bangla Vowel Perceptual Space Classification Using Support Vector Machine and K-Nearest Neighbor Method.
285	Sadia Jahan, Swakkhar Shatabda and Dewan Farid. Active Learning for Mining Big Data
287	Ashratuz Zavin, Fahim Anzum, S. M. Faisal Rahman, Muhammad Nazrul Islam and Mehreen Hoque. Towards Developing an Intelligent Fire Exit Guidance System Using Informed Search Technique
292	Mozammel Haque. Automatic Keyword Extraction from Bengali Text using Improved RAKE Approach
294	Sadidul Islam, Mst. Farhana Sarkar, Towhid Hussain, Md. Mehedi Hasan, Dewan Md Farid and Swakkhar Shatabda. Bangla Sentence Correction Using Deep Neural Network Based Sequence to Sequence Learning
295	Sabir Ismail, Mohaiminul Islam Bhuiyan, Shibbir Ahmad Osmani and M. A. Alim Mukul. An artificial life simulation to observe DNA sequence repeat pattern

Paper ID	Authors and Title
302	Md. Ridowan Chowdhury, Md Razal Subho, Md. Maruf Rahman, Samiul Islam and Dipankar Chaki. Impact of Fast Food Consumption on Health: A Study on University Students of Bangladesh
304	Ryan Marshall, Sheikh Ghafoor and Md Bulbul Sharif. A System for Performance Porting of Iterative Structured Grid Applications in HPC Environments
305	Sagar Dakua, Alamgir Kabir Rusad, Nazmus Sakib, Md. Ahsan-Ul Kabir Shawon and Md Kafiul Islam. Towards Design and Implementation of a Low-cost EMG Signal Recorder for Application in Prosthetic Arm Control for Developing Countries like Bangladesh
306	Samrat Kumar Dey and Ashraf Hossain. Implementation of a Web Application to Predict Diabetes Disease: An Approach Using Machine Learning Algorithm
307	Md Ataur Rahman and Dr. Md. Hanif Seddiqui. Comparison of Classical Machine Learning Approaches on Bangla Textual Emotion Analysis
311	Nishako Chakma, Md Mehedi Farhad, Akib Jayed Islam, Swarup Chakraborty, Md Siddat Bin Nesar and Md Abdul Muktedir. Performance Analysis of a Microstrip Patch Antenna for Satellite Communications at K Band
316	Shamima Akter Proma, Sanchita Sharma, Md. Eftekhar Alam and Mohammed Abdul Kader. Development of aVoice and SMS Controlled Dot Matrix Display Based Smart Noticing System With RF Transceiver and GSM Modem.