

**ICAICT 2020 Accepted Paper List**

**Date: October 31, 2020**

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1	23	Investigation on High Frequency Based Ultrasound Tissue Therapy by Finite Element Method
2	24	Time Efficient Wireless Technology Based Biometric Attendance System
3	33	Design of a Slot Loaded Microstrip Patch Antenna for both C-band and X-band applications
4	34	IoT based Low Cost Gas Leakage, Fire and Temperature Detection System with Call Facilities
5	49	Effective Pitch Estimation using Canonical Correlation Analysis
6	53	An Effective Diabetes Prediction System Using Machine Learning Techniques
7	58	Comparative Study of Machine Learning Approaches on Diagnosing Breast Cancer for Two Different Dataset
8	67	Development of Zeonex Based Suspended Micro Structure PCF For Chemical Sensing Application
9	72	Permission-Based Blockchain with Proof of Authority for Secured Healthcare Data Sharing
10	73	Sensing of Illicit Drugs and Toxic Chemicals in Terahertz Region using Photonic Crystal Fiber
11	74	A Cost-Effective Multisensor Based Framework to Assist Visually Disable Person
12	76	3D bone shape reconstruction from 2D X-ray images using MED Generative Adversarial Network
13	77	Optimization of Surface Plasmon Resonance Biosensor for Analysis of Lipid Molecules
14	78	Loss Reduction and Voltage Profile Renovation with Optimum Sizing and Siting of Distributed Generation in Distribution Network
15	80	Low Loss Nested Hollow Core Antiresonant Fiber
16	84	Health Monitoring of Expecting Mothers using Multiple Sensor Approach: "Preg Care"
17	94	IoT Based Medical Assistant for Efficient Monitoring of Patients in Response to COVID-19
18	101	Detecting Emotion of Users' Analyzing Social Media Bengali Comments Using Deep Learning Techniques
19	104	Characterization of stiffness of micro-particle trapped in dielectrophoretic-microfluidic device
20	106	Determination of crystallite parameters of ZnO nanoparticles based on annealing temperature
21	120	Non-subsampled Shearlet Entropy and Logistic Regression Based Multiple Sclerosis Detection
22	124	Prediction of Liver Disorders using Machine Learning Algorithms: A Comparative Study
23	125	Human Robot Interaction System for Behavioral Improvement of Autistic Children
24	126	An Approach to Mitigate Composition Attacks on Privacy in Non-coordinated Environments
25	127	Fully Blind Data Hiding by Embedding within DNA Sequences Using Various Ciphering and Generic Complimentary Base Substitution
26	135	Wearable Multifunctional Computer Mouse Based on EMG and Gyro for Amputees
27	138	Design and Feasibility Analysis of Hybrid Renewable Power System Connected to Grid in Maheshkhali Island, Bangladesh
28	140	ECG Heartbeat Classification Using Ensemble of Efficient Machine Learning Approaches on Imbalanced Datasets
29	144	Performance Comparison of Different Convolutional Neural Network Architectures for Plant Seedling Classification
30	150	Bangla Handwritten Character Recognition Using Deep Convolutional Autoencoder Neural Network
31	159	A Comparative Study of Tuberculosis Detection Using Deep Convolutional Neural Network
32	161	Energy and Spectrum Efficiency Calculation of D2D Underlaid Communication
33	163	Word Completion and Sequence Prediction in Bangla Language Using Trie and a Hybrid Approach of Sequential LSTM and N-gram
34	167	Predictive Analysis of the Effects of Personality Traits on an Academic Program
35	168	An Extension of Heuristic Algorithm for Individual Haplotyping with Minimum Error Correction
36	178	Design of an Automated Vehicle Speed Detector and Surveillance System for Bangladesh
37	185	Web Application Performance Analysis of E-commerce Sites in Bangladesh: An Empirical Study
38	195	Handwritten Indic Digit Recognition using Deep Hybrid Capsule Network
39	207	Simultaneous Computation of Two Input Arithmetic Logic Operation Based on Polarized Optical Shadow Casting Method
40	215	Energy Harvesting Technology from Human Motion
41	216	4-bit Wallace and Dadda Multiplier design using novel hybrid 3-2 Counter
42	217	Performance Comparison of Asymmetric Seven Level Inverter for Solar Photovoltaic Systems
43	221	Remote ECG Monitoring and Syncope Detection System Using Deep Learning
44	225	Electronic Band Structure of Group IV 2D Materials: Graphene, Silicene, Germanene, Stanene using Tight Binding Approach
45	226	Designing A Prototype of Wheelchair and Fall Detection System Using Mobile Application
46	228	River Water Quality Analysis and Prediction Using GBM
47	236	Design and Analysis of a Miniaturized Ku-Band Corrugated Conical Horn Antenna for Satellite Applications
48	239	IoT based Smart Weather Monitoring System for Poultry Farm
49	240	A simplistic approach to design a prototype of smart home for the activation of home appliances based on Electrooculography(EOG)
50	252	A Model for Automatic Partial Evaluation of SQL Queries
51	260	Classification of Lower Limb Motor Imagery Signal using FDCSP and Support Vector Machine for BCI Application
52	261	A Low Cost Automated Fluid Monitoring and Controlling System for Intravenous Treatment
53	262	Harmonic Distortion Reduction of Transformerless Inverter's Output Voltage Using 5-Level Single-Phase Inverter and LCL Filter
54	267	Instance Segmentation of Visible Cloud Images Based on Mask R-CNN Applying Transfer Learning Approach
55	269	Performance Investigation of Phase-over-sampler based Hybrid Beamformer for mmWave Massive MIMO Systems
56	270	Deep Learning Enabled Joint Adaptive Compressive Channel Sensing and Hybrid Beamforming for mmWave Cellular Systems
57	272	IRIS-PUPIL THICKNESS BASED BIOMETRIC APPROACH FOR DETERMINING AGE GROUP USING LINEAR SVM
58	274	Convolutional Neural Network Based Optimization Approach for Wireless Resource Management
59	276	Sensor-Based Human Activity Recognition: A Comparative Study of Machine Learning Techniques
60	285	Secure Smart National Identity Card Management Design using Blockchain
61	286	A study of Cesium Titanium Bromide based perovskite solar cell with different Hole and Electron transport materials
62	287	Analysis of the Morphological Changes of the River Padma Along Naria Upazila through Supervised Classification of Satellite Images
63	288	Non-Linear Gamma Correction using LO Gaussian Smoothing for Imaze Dehazing
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65	292	Charge-voltage and capacitance-voltage characterizations of monolayer MoS <sub>2</sub> -based DG n-TFET
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70	306	Smoothness Priority Approach Based Epileptic Seizure Classification Using ANN
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