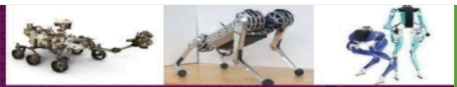




**2024 3rd IEEE**  
International Conference on  
Robotics, Automation, Artificial-intelligence  
& Internet-of-Things (RAAICON 2024)



www.raaicon.org

## Program Schedule

**Venue: Institute of Robotics and Automation, BUET (IRAB)**  
10th floor, ECE Building, BUET, Dhaka-1205, Bangladesh

Time	Day-1: November 29, 2024 (Friday)	
08.00AM	Registration	
08:30 AM - 10:00 AM	Room-1 Technical Session-1 Health/HCI	<p>Session Chair:</p> <p>Session Chair:</p> <p>Paper ID #23</p> <p>Title: Real-Time Detection of Defective Products of a Tortilla Machine Production Line Using TensorFlow Object Detection API and OpenCV</p> <p>Authors: MD Ashfakul Karim Kausik (Military Institute of Science and Technology)*; Ahamed Al Hassan Sunny (Military Institute of Science and Technology (MIST)); Rahat Kibria Bhuiyan (Military Institute of Science and Technology (MIST)); Mehedy Hassan Bappy (Military Institute of Science and Technology (MIST)); Adib Bin Rashid (MIST); Chowdhury Mohammad Abid Rahman (Military Institute of Science and Technology)</p>
		<p>Paper ID #43</p> <p>Title: Real-time Object Detection and Distance Measurement for the Patients with Visual-Spatial Agnosia</p> <p>Authors: Adri Shankar Das (Brac University)*; Fardin Rahman Sahill (Brac University); Ababil Hossain Fahad (Brac University); Mohammed Shakib (Brac University); Abu Hamed M.A. Rahim (Brac University); Tasfin Mahmud (Brac University); Md. Mehedi Hasan Shawon (BRAC University)</p>
		<p>Paper ID #47</p> <p>Title: TitleAn Averaging Ensemble Method for Multiclass Brain Tumor Classification Using Transfer Learning</p> <p>Authors: Shahajalal Hossain Shahin (Khulna University of Engineering &amp; Technology)*; Dr. Sk. Shariful Alam (Khulna University); Shah Muhammad Azmat Ullah (Khulna University of Engineering &amp; Technology)</p>
		<p>Paper ID #57</p> <p>Title: Heart Disease Classification with XAI and Kernel SHAP</p> <p>Authors: Nishat Vasker (East West University)*; Mahamudul Hasan (University of Minnesota, Twin Cities); Anika Tabassum Nafisa (East West University); MD Arifur Rahman (Trine University)</p>
		<p>Paper ID #105</p> <p>Title: A Signal Processing and Machine Learning Framework for Enhanced TDS Simulation</p> <p>Authors: Shuvendu Pal Shuvo (Khulna University of Engineering and Technology)*; Shirshendu Pal Shibazee (BUET); Arifa Akter Khuki (KUET); Chaitee Das (KUET); Goutam Paul (Bangabandhu Sheikh Mujibur Rahman Science and Technology University Gopalganj, Bangladesh); Mitaly Paul Mita (Khulna University)</p>
		<p>Paper ID #146</p> <p>Title: HandEEGnet: A Kolmogorov-Arnold Network for Hand Movements Classification from Motor Imagery EEG</p> <p>Authors: Tasnimul Hasan (Khulna University of Engineering &amp; Technology); A. B. M. Aowlad Hossain (Khulna University of Engineering &amp; Technology)*; Shuvagata Biswas (Khulna University of Engineering and Technology); Farhana Tazrin (Khulna University of Engineering and Technology)</p>
		<p>Session Chair:</p> <p>Session Chair:</p>
08:30 AM - 10:00 AM	Room-2 Technical Session-2 Machine Learning/ Deep Learning	<p>Paper ID #8</p> <p>Title: Spectral and Morphological Classification of Celestial Objects using Physics Informed Machine Learning</p> <p>Authors: Md Fairuz Siddiquee (University of Dhaka); Dr Md Mehedi Hasan (University of Dhaka)*</p>
		<p>Paper ID #13</p> <p>Title: i-Glove : An Intelligent Glove System Based on Deep Learning to Support Deaf-blind Individuals in Recognizing Banknotes</p> <p>Authors: Fahad Mohammad Hossain (Mymensingh Engineering College)*; Rafit Alavi (Rafit Alavi); Yeamin Safat (Mymensingh Engineering College); Gobinda Chandra Sarker (University of Dhaka); Nafisa Noor (Mymensingh Engineering College); Ekram Hossain (Mymensingh Engineering College)</p>
		<p>Paper ID #18</p> <p>Title: Intelligent Fire Surveillance: A Deep Learning Framework for Accurate Indoor Fire Detection</p> <p>Authors: Md. Maruf (Rajshahi University of Engineering and Technology)*; Bishowjit Paul (RUET); Labanya Talukder (RUET); Mahmuda Islam (Rajshahi University of Engineering &amp; Technology)</p>
		<p>Paper ID #34</p> <p>Title: Effective Disease Recognition in Cucumbers: A Web-Based Application Using Transfer Learning Models</p> <p>Authors: Md Shahidur Rahman (Westcliff University); Asif Ahamed (College of Technology and Engineering, Westcliff University); Md Nuruzzaman Pranto (International American University); MD ARIFUL ISLAM (International American University); Abdullah Al Masum (Dept. of Information Technology, Westcliff University); Abdullah Al Sakib (Westcliff University); Rezaul Haque (East West University)*; S M Arafat Rahman (East West University); Shafiuur Rahman (Daffodil International University)</p>
		<p>Paper ID #55</p> <p>Title: Automated Biofloc Technology for Fish Farming with GSM based Monitoring System</p> <p>Authors: Md Mehedi Hassain (International Islamic University Chittagong)*; Muhammad Osman Gani (International Islamic University Chittagong); Abdur Rahman (International Islamic University Chittagong); S. M. Rahbar Abdullah Hasnat (East Delta University)</p>

		<p>Paper ID #148 Title: Efficient Path Planning and Cruise Control Features In Self-Driving Cars Using ROS2 &amp; Machine Learning Authors: MD. AL Mumit Hassan (CUET)*; Mahmuda Haque Maliha (CUET); Jamil Hossain (Chittagong University of Engineering and Technology); Imnul Haque Ruman Talukder (Chittagong University of Engineering and Technology); Md. Mehedi Hasan (Chittagong University of Engineering and Technology); Faisal Ahmed (CUET)</p> <p>Paper ID #151 Title: A Proficient Convolutional Neural Network for Detecting Watermelon Disease with Occlusion Sensitivity Authors: Omar Faruq (East West University); Fahad Ahammed (East West University)*; B. M. Shahria Alam (East West University); Kazi Isat Mahzabin (East West University); Md. Nawab Yousuf Ali (EWU)</p>
08:30 AM - 10:00 AM	Room 3	<p style="text-align: center;"><b>IEEE WIE-BD Summit</b></p> <p style="text-align: center;"><b>Zoom Link: <a href="https://us06web.zoom.us/j/81393494831?pwd=cRphalKhdcgNMnatMvOOor5oNcZunLN.1">https://us06web.zoom.us/j/81393494831?pwd=cRphalKhdcgNMnatMvOOor5oNcZunLN.1</a></b> <b>Meeting ID: 813 9349 4831</b> <b>Password: 123</b></p>
10:00 AM - 10:15AM		<b>Tea Break</b>
10:15 AM - 11:30 AM	<b>Room-1 Technical Session-3 Biomedical Engineering</b>	<p>Session Chair: Session Chair:</p> <p>Paper ID #12 Title: Lung Cancer Prediction and Risk Assessment: A Machine Learning Approach Integrating Symptoms and Etiological Factors Authors: Md. Mosharrof Hossain Sarkar (Faridpur Engineering College)*; Sadiha Afrin (Faridpur Engineering College ); Md. Tuhin Reza (Jessore University of Science and Technology); Md. Abid Hasan Roni Bokshi (Faridpur Engineering College); Sharmin Sultana Mim (Faridpur Engineering College )</p> <p>Paper ID #79 Title: Automated Wound Segmentation using Attention Mechanism based on Enhanced MobileNetV2 Authors: Dewan A. Muhtasim (Metropolitan University Bangladesh)*; Monirul Islam Pavel (STEM, University of South Australia); Arindrajit Paul (University of Colorado Boulder, USA); Abdul Wadud Shakib (Metropolitan University Bangladesh); Sanji Sahlan Gazi (STEM, University of South Australia); Md. Mahfujul Hasan (Metropolitan University Bangladesh)</p> <p>Paper ID #104 Title: DeepCerviNet: Enhanced Cervical Cancer Classification Using Supervised Learning Model Authors: Md Anikur Rahman (East West University); Maksura Binte Rabbani (International Islamic University Chittagong); Md Tahsin (East West University ); Al Hossain (East West University); Raihan Ul Islam (East West University)*; Mohammad Rifat Ahmmad Rashid (East West University); Ahmed Wasif Reza (East West University); Dr. Shamim H Ripon (East West University)</p> <p>Paper ID #124 Title: Detecting Polycystic Ovary Syndrome with Convolutional Neural Networks: Enhancements through Adversarial Training and Gradient-Weighted Class Activation Mapping (Grad-CAM) Authors: Omar Faruq (East West University)*; Ruba Sazedra (East West University); Sujana Islam (East West University); Ashrafal Islam (East West University); Tanzia Haque (East west university); Arifa sultana mily (East west university)</p> <p>Paper ID #134 Title: Deep Learning for Brain Tumor Detection Leveraging YOLOv10 for Precise Localization Authors: Mohammed Abbas Uddin Tasin (East Delta University)*; Gazi Mohammad Fahim Faiyaz (East Delta University); Mohammed Nazim Uddin (East Delta University)</p> <p>Paper ID #135 Title: Transfer Learning for Ultrasound-Based Kidney Stone (Urolithiasis) Detection with Augmented Regularization and Saliency Maps Authors: Omar Faruq (East West University)*; Arifa sultana mily (East west university); Tanzia Haque (East West University); Ashrafal Islam (East West University); Sujana Islam (East West University); Ruba Sazedra (East West University)</p>
10:15 AM - 11:30 AM	<b>Room-2 Technical Session-4 Internet/Security</b>	<p>Session Chair: Session Chair:</p> <p>Paper ID #26 Title: Robust Phishing URL Classification Using FastText Character Embeddings and Hybrid Deep Learning Authors: Md. Redwan Ahmed (East West University)*; Abdullah Al Sakib (Westcliff university ); Zishad Hossain Limon (Dept. of Computer Science, Westcliff University); Anamul H Sakib (International American University); Md Nuruzzaman Pranto (International American University); MD ARIFUL ISLAM (International american University ); Shayma Sultana (International American University ); Shafiur Rahman (Daffodil International University)</p> <p>Paper ID #118 Title: Determinants of AI Image Generator Adoption Among Marketing Agencies: The Mediating Effects of Perceived Usefulness Authors: Tahsina Khan (Bangladesh University of Professionals); Md Mehedi Hasan Emon (American International University-Bangladesh)*</p> <p>Paper ID #132 Title: An Automated Network Intrusion Detection and Identification System by Synergizing AI Techniques Authors: Md. Rishadul Bayesh (Khulna University of Engineering &amp; Technology)*; MD. Sakhawat Hossain (Khulna University of Engineering and Technology)</p> <p>Paper ID #153 Title: Advancing Bilingual SMS Spam Detection: A Comparative Exploration of Machine Learning and Deep Ensemble Techniques Authors: Hafsa Sultana (Military Institute of Science and Technology)*; Jamal Uddin Tanvin (Military Institute of Science and Technology ); Dr. Nusrat Sharmin (Military Institute of Science and Technology); Mohammad Shamsul Arefin (CUET); Professor Dr. Md. Mahbubur Rahman Rahman (Military Institute of Science and Technology (MIST))</p>

		<p>Paper ID #158 Title: CCFD-SSL: Optimizing Real-Time Credit Card Fraud Detection Using Self-Supervised Learning and Contrastive Representations Authors: Md Al Rafi (Washington University of Science and Technology (WUST)); GOURAB NICHOLAS RODRIGUES (Washington University of Science and Technology (WUST)); Md Nazmul Hossain Mir (Washington University of Science and Technology (WUST)); MD SHAHRIAR MAHMUD BHUIYAN (Washington University of Science and Technology (WUST)); Arifa Akter Eva (American International University Bangladesh (AIUB))*; Aminun Nahar (American International University Bangladesh); Prof. Dr. Kamruddin Nur (American International University-Bangladesh)</p> <p>Paper ID #170 Title: MiniBert24: A Lightweight Transformer-Based Model for Stock Market Movement Prediction Authors: Gourab Nicholas Rodrigues (Washington University of Science and Technology); Md Nazmul Hossain Mir (Washington University of Science and Technology); Md Shahriar Mahmud Bhuiyan (Washington University of Science and Technology); Md Al Rafi (Washington University of Science and Technology (WUST)); K M Nafiur Rahman (Bangladesh University of Business and Technology)*; Md. Shahedul Islam (Stamford University Bangladesh); Prof. Dr. Kamruddin Nur (American International University-Bangladesh)</p>
10:15 AM - 11:30 AM	Room 3	<p style="text-align: center;"><b>IEEE WIE-BD Summit and Projects</b></p> <p>Zoom Link: <a href="https://us06web.zoom.us/j/81393494831?pwd=cRphalKbdcgNMnatMvOQr5oNcZunLN.1">https://us06web.zoom.us/j/81393494831?pwd=cRphalKbdcgNMnatMvOQr5oNcZunLN.1</a> Meeting ID: 813 9349 4831 Password: 123</p>
11:30 AM - 12:30 PM		<p style="text-align: center;"><b>Inauguration Ceremony</b></p> <p>Zoom Link: <a href="https://us06web.zoom.us/j/89423456529?pwd=iFg5okoddN83dXm3uCzwvmcegj2hor.1">https://us06web.zoom.us/j/89423456529?pwd=iFg5okoddN83dXm3uCzwvmcegj2hor.1</a> Meeting ID: 894 2345 6529 Password: 123</p>
01:00 PM - 02:30 PM		<p style="text-align: center;"><b>Lunch and Prayer Break</b></p>
02:30 PM - 03:30 PM		<p style="text-align: center;"><b>Keynote Session 1 - Prof. Darwin G Caldwell</b></p> <p>Zoom Link: <a href="https://us06web.zoom.us/j/89423456529?pwd=iFg5okoddN83dXm3uCzwvmcegj2hor.1">https://us06web.zoom.us/j/89423456529?pwd=iFg5okoddN83dXm3uCzwvmcegj2hor.1</a> Meeting ID: 894 2345 6529 Password: 123</p>
03:45 PM - 04:00 PM		<p style="text-align: center;"><b>Tea Break</b></p>
04:00PM - 06:00 PM	Room-1 Technical Session-5 Robotics	<p>Session Chair:</p> <p>Paper ID #11 Title: Development of an Accelerometer-based Data Acquisition System for Hand Gesture Recognition Authors: Atique Tajwar (University of Dhaka); Md Ettashamul Haque (University of Dhaka); Dr Md Mehedi Hasan (University of Dhaka)*</p> <p>Paper ID #58 Title: Development and Implementation of An Autonomous Smart Seed Sowing Robot With A Precise Closed-Loop Control System Authors: Ammar Bin Mohshin (Niter); Shoaib Rufsun (Military Institute of Science and Technology)*; Jannatul Oyshi (Niter); Fatema Bintay Noor (NITER); Mithila Sunjana Promi (Niter); Shaira Tahsin Haque (NITER)</p> <p>Paper ID #63 Title: Optimized Control Strategy for Self_Balancing Robot: Micro_Stepping Motors and PID Algorithm Authors: Md. Muhiul Islam Muhiuddin (Bangladesh University of Engineering and Technology); Akil Ahmad Taki (Bangladesh University of Engineering and Technology); Khondokar Zahin (Bangladesh University of Engineering and Technology)*; MD. Jawadul Karim (Bangladesh University of Engineering and Technology); Syed Muid Al Kais (Bangladesh University of Engineering and Technology)</p> <p>Paper ID #99 Title: Enhancing Trajectory Tracking of Quadrotor Using Feedback Linearization with MPC-LPV and LQI-LPV under Variable Disturbances Authors: Raian Haider Chowdhury (Bangladesh University of Engineering and Technology)*; Ahmed Imtiaz Ferdous (Bangladesh University of Engineering and Technology); Amreen Hossain (BRAC University ); Kazi Arafat Rahman (Bangladesh University of Engineering and Technology)</p> <p>Paper ID #106 Title: Neural Command: Real-Time EEG-Based Brain-Computer Interface for Assistive Robotic Control Authors: Nishat Vasker (East West University ); Shakib Shakib (East West University); MD. Sakibur Rahman (East West University); Yeasin Arafath Emon (East West University); Raihan Ul Islam (East West University)*</p> <p>Paper ID #139 Title: Implementation of Hector SLAM Algorithm for Mapping Indoor Environments with Obstacles Authors: Amreen Hossain (BRAC University)*; Raian Haider Chowdhury (Bangladesh University of Engineering and Technology)</p> <p>Paper ID #169 Title: Challenges in using NVIDIA Jetson Nano board for an Autonomous Underwater Vehicle Authors: Arindom Roy (National Institute of Technology Silchar)*; Arnob Sarkar (National Institute of Technology Silchar); BIDYUT KANTI PAUL (NIT SILCHAR); Binoy Krishna Roy (NIT Silchar)</p>
		<p>Session Chair:</p> <p>Paper ID #15 Title: CNN-XGBoost Based Ensemble Model for Short-Term Load Forecasting Authors: Kazi Reyad Hossain (RUET)*; Md. Samin Safayat Islam (RUET); Md. Rashidul Islam (Rajshahi University of Engineering &amp; Technology); Md. Rafiqul Islam Sheikh (RUET); Md. Omer Faruque (RUET)</p>

	<b>"Room-2 Technical Session-6 Power &amp; Energy</b>	Paper ID #17 Title: A Comparative Analysis of Short-Term Solar Power Forecasting Using Machine Learning Methods Authors: Nasrin Sultana (Rajshahi University of Engineering & Technology)*; Md. Samin Safayat Islam (RUET); Md. Rashidul Islam (Rajshahi University of Engineering & Technology); Md. Rafiqul Islam Sheikh (RUET); Md. Omer Faruque (DUET)
		Paper ID #83 Title: Optimizing Energy Efficiency in Home PV Systems through MPPT and Converter Control Authors: Md Ismail Hossain (American International University Bangladesh ); Sowrov Komar Shib (American International University- Bangladesh); Durjoy Roy Dipto (American International University -Bangladesh ); MD Tanvir Rahman (American International University-Bangladesh); Tanay Banik (American International University - Bangladesh); Abu Shufian (American International University-Bangladesh)*
		Paper ID #111 Title: Machine Learning-Driven Demand Prediction for Off-Grid PV-Integrated EV Charging Stations Authors: Sowrov Komar Shib (American International University- Bangladesh); Durjoy Roy Dipto (American International University -Bangladesh ); MD Tanvir Rahman (American International University-Bangladesh); Md Mostafizur Rahman (Lamar University); Riadul Islam (Lamar University ); Abu Shufian (American International University-Bangladesh)*
		Paper ID #113 Title: Accumulation Efficiency Augmentation of Mono C-Si Solar Cell using Photon Concentration Method Authors: Ashrafun Nushra Oishi (Center of Extensive Research and Technology (CERT)); Meer Shadman Shafkat Tanjim (Center of Extensive Research and Technology (CERT))*; Sourav Barua (Ahsanullah University of Science and Technology (AUST)); Nikan Chakma (Center of Extensive Research and Technology (CERT)); Pranab Chakma (Center of Extensive Research and Technology (CERT)); Mohammad Ali (Center of Extensive Research and Technology (CERT))
		Paper ID #120 Title: Decentralized Solar PV/Battery-based Energy Management for Isolated Areas Authors: Md Ismail Hossain (American International University Bangladesh ); Md. Tanvir Islam Mim (American International University-Bangladesh ); Tanay Banik (American International University - Bangladesh); Md Rafsan Jany (American International University-Bangladesh); Md Mukter Hossain Emon (Lamar University); Abu Shufian (American International University-Bangladesh)*
04:00 PM - 06:00 PM	Room 3	<b>Project Presentation</b> Zoom Link: <a href="https://us06web.zoom.us/j/81393494831?pwd=cRphalKbdcgNMnatMvOQR5oNcZunLN.1">https://us06web.zoom.us/j/81393494831?pwd=cRphalKbdcgNMnatMvOQR5oNcZunLN.1</a> Meeting ID: 813 9349 4831 Password: 123
06:00 PM - 06:40 PM	<b>Keynote Session 2 - Prof. Ravinder S. Dahiya</b> Zoom Link: <a href="https://us06web.zoom.us/j/89423456529?pwd=iFg5okoddN83dXm3uCzwvmcegj2hor.1">https://us06web.zoom.us/j/89423456529?pwd=iFg5okoddN83dXm3uCzwvmcegj2hor.1</a> Meeting ID: 894 2345 6529 Password: 123	
06:40 PM - 07:20 PM	<b>Keynote Session 3 - Prof. Lionel P. Robert Jr.</b> Zoom Link: <a href="https://us06web.zoom.us/j/89423456529?pwd=iFg5okoddN83dXm3uCzwvmcegj2hor.1">https://us06web.zoom.us/j/89423456529?pwd=iFg5okoddN83dXm3uCzwvmcegj2hor.1</a> Meeting ID: 894 2345 6529 Password: 123	
<b>END OF DAY 1</b>		
<b>Day-2: November 30, 2024 (Saturday)</b>		
<b>Time</b>		
<b>08.00AM</b>	<b>Registration</b>	
<b>08:30 AM - 10:30 AM</b>	<b>Room 1 Technical Session 7 IoT</b>	Session Chair: Session Chair:
		Paper ID #4 Title: Development of a Low Cost IoT Integrated System in Precision Smart Garden Authors: Rittik Das Gupta (Khulna University of Engineering and Technology)*; Reaz Uddin Bhuiyan (European University of Bangladesh); Kanoge Roy (Pabna university of science and technology ); Sourav Debnath (Bangladesh University of Business and Technology); Md.Tushar Abdullah (University of Dhaka); Nahin Ahamed (European University of Bangladesh)
		Paper ID #112 Title: Development of IoT-based Scale Sensor to Measure AWD System Water Level in Crop Field Authors: Md Shahriar Kabir (American International University-Bangladesh)*; Khalid Mahmud Niloy (American International University-Bangladesh); Md Imon Hossen (American International University-Bangladesh); Sumaiya Afrose (American International University-Bangladesh); Md. Ismail Hossain Mofazzol (Uttara University)
		Paper ID #119 Title: Performance Evaluation of an IoT Based Dual Axis Prototype Solar Tracker Over Fixed PV Installations Authors: Md. Abdullah Kawser (European University of Bangladesh)*; Rittik Das Gupta (Khulna University of Engineering and Technology ); ZAHIRUL ISLAM (European University of Bangladesh); Kanoge Roy (Pabna university of science and technology ); Md. Asaduzzaman Sarker (European University of Bangladesh); Md. Hazrat Ali (European University of Bangladesh)
		Paper ID #142 Title: Advanced Dual-Axis Solar Tracking System with IoT-Driven Real-Time Monitoring for Optimized Efficiency Authors: Asadul Islam Shimul (Bangabandhu Sheikh Mujibur Rahman Science and Technology University, Gopalganj-8100.)*; Md Maruf Hossain (University of Missouri, Columbia); Safia Aktar Dipa (Bangabandhu Sheikh Mujibur Rahman Science and Technology University Gopalganj-8100)
		Paper ID #171 Title: VOIS+: A Video Over Intercom Service with Home Automation Features for Advanced Security and Safety Authors: Angkon Deb (BUET)*; Asif Islam (BUET); Arnab Nath (BUET); Mayesha Haque (Bangladesh University of Engineering and Technology ); Rudra Roy (Bangladesh University of Engineering & Technology); Md Jawad Ul Islam (BUET); Celia Shahnaz (BUET)

08:30 AM - 10:30 AM	Technical Session 8 (Online)	<p>Session Chair: Session Chair:</p> <p>Zoom Link: <a href="https://us06web.zoom.us/j/85487715726?pwd=8X5US14lLtzBSlqCtaHrcrtZgbY3Yb.1">https://us06web.zoom.us/j/85487715726?pwd=8X5US14lLtzBSlqCtaHrcrtZgbY3Yb.1</a> Meeting ID: 854 8771 5726 Password: 123</p>
		<p>Paper ID #21 Title: SLRNet: Shallow Convolutional Neural Network for Efficient Sign Language Recognition Authors: Lamia Mostafa (International Islamic University Chittagong ); Faria Jerin Brishti (International Islamic University Chittagong); Eishita Sultana Akther (International Islamic University Chittagong ); Md. Khaliluzzaman (International Islamic University Chittagong (IIUC))*; MD Jiabul Hoque (IIUC)</p>
		<p>Paper ID #81 Title: Enhancing Cybersecurity with an Investigation into Network Intrusion Detection System Using Machine Learning Authors: Md Shohanur Rahman (Daffodil International University)*; Tausif Islam (Daffodil International University ); MD. RIFAT AHMED KHAN (American International University-Bangladesh (AIUB))</p>
		<p>Paper ID #90 Title: Efficient speed control and comparison of voltage gain and efficiency of Separately excited DC motor with CUK converter and ZETA converter Authors: Mohosina Tabassum (Military Institute of Science and Technology )*; Reaz Uddin Bhuiyan (City College of New York ); Md. Muhibullah Shah (Military Institute of Science and Technology )</p>
		<p>Paper ID #117 Title: Generative AI-assisted Standalone Wearable Reading Glasses for the Visually Impaired Authors: Md. Repon Islam (Khulna University of Engineering &amp; Technology )*; Dr. Md. Sheikh Sadi (KUET)</p>
		<p>Paper ID #162 Title: Brain Tumor Diagnosis Using a Hybrid Method of BoVW, LBP, and Neural Networks Authors: Nowshad Hasan ( Chittagong University of Engineering &amp; Technology)*; Dr. Md saiful Islam (Chittagong University of Engineering and Technology); Md. Maskat Sharif (Chittagong University of Engineering and Technology); Arafat Anam Chowdhury (North South University); MISKATUR RAHMAN (International Islamic University Chittagong); Md Tohedur Rahaman Khan (International Islamic University Chittagong); Md Rokibul Fahad Khan (International Islamic University Chittagong); Anamul Bahar (University of London)</p>
		<p>Paper ID #163 Title: Epileptic Seizure Prediction Using a Deep Hybrid CNN-GAN Model on EEG Data Authors: Nowshad Hasan ( Chittagong University of Engineering &amp; Technology)*; Md. Maskat Sharif (Chittagong University of Engineering and Technology); MISKATUR RAHMAN (International Islamic University Chittagong); Dr. Md saiful Islam (Chittagong University of Engineering and Technology); Md Tohedur Rahaman Khan (International Islamic University Chittagong); Mr. Md. Jiabul Hoque (International Islamic University Chittagong); Anamul Bahar (University of London)</p>
		<p>Paper ID #164 Title: Lung Cancer Classification Using CNN and Random Forest Authors: Nowshad Hasan ( Chittagong University of Engineering &amp; Technology)*; Md. Maskat Sharif (Chittagong University of Engineering and Technology); Dr. Md saiful Islam (Chittagong University of Engineering and Technology); Arafat Anam Chowdhury (North South University); MISKATUR RAHMAN (International Islamic University Chittagong); Md Rokibul Fahad Khan (International Islamic University Chittagong); Anamul Bahar (University of London)</p>
		<p>Paper ID #169 Title: Challenges in using NVIDIA Jetson Nano board for an Autonomous Underwater Vehicle Authors: Arindom Roy (National Institute of Technology Silchar)*; Arnob Sarkar (National Institute of Technology Silchar); BIDYUT KANTI PAUL (NIT SILCHAR); Binoy Krishna Roy (NIT Silchar)</p>
		Technical
<p>Paper ID #80 Title: An Innovative Approach to Glass Classification Using Deep Neural Network Authors: Md Shohanur Rahman (Daffodil International University)*; Tania Sultana (Daffodil International University ); Tausif Islam (Daffodil International University ); MD. RIFAT AHMED KHAN (American International University-Bangladesh (AIUB))</p>		
<p>Paper ID #87 Title: IoT-based Smart Municipal Garbage Management System for Fertilizer Processing System Authors: Riadul Islam (Lamar University ); Anup Kumar Roy (Lamar University); Ali Ahsan (American International University-Bangladesh); Md Mahfuzur Rahman Enam (Lamar University); Md. Tanvir Islam Mim (American International University-Bangladesh ); Abu Shufian (American International University-Bangladesh)*</p>		
<p>Paper ID #93 Title: Home Energy Optimization Strategies in Bangladesh to Minimize Electricity Cost and Grid Energy Consumption Using Optimization Algorithm Authors: Sumitra Dey (Chittagong University of Engineering and Technology)*; Sancoy Barua (Chittagong University of Engineering &amp; Technology</p>		
<p>Paper ID #116 Title: Optimized IoT Intrusion Detection using Machine Learning Technique Authors: Muhammad Zawad Mahmud (North South University)*; Samiha Islam (North South University); Shahrar Rahman Alve (North South University); Al Jubayer Pial (North South University)</p>		

08:30 AM - 10:30 AM	Technical Session 9 (Online)	<p>Paper ID #123 Title: Rotational Symmetric Circular Split-Ring with Inductive Tail-Shaped Microwave Metamaterial Absorber for Aeronautical Radionavigation Applications Authors: Shubho Ray Chowdhury (School of Mechanical, Aerospace, and Manufacturing Engineering/University of Connecticut, Connecticut 06269/ USA); Apurba Ray Chowdhury ( Department of Electronic and Telecommunication Engineering, International Islamic University Chittagong (IIUC))*; Tafhimul Islam (Department of Electronic and Telecommunication Engineering, International Islamic University Chittagong (IIUC)); Safayat Hossain (Department of Electronic and Telecommunication Engineering, International Islamic University Chittagong (IIUC)); Nazifa Maimuna (American International University-Bangladesh); Md. Mohsin (International Islamic University Chittagong)</p> <p>Paper ID #141 Title: Enhancing Power Grid Reliability in Bangladesh: An IoT-Based Approach to Transmission Line Fault Detection Authors: Md. Nahidul Alam (Bangladesh Army International University of Science and Technology)*; Md. Zahid Hasan Buiyan (Bangladesh Army International University of Science and Technology (BAIUST)); Md. Abdullah Al Hasan Anik (Bangladesh Army International University of Science and Technology (BAIUST)); Farhan Tanvir (Bangladesh Army International University of Science of Technology ); Tanvir Ahmed Fahim (Bangladesh Army International University of Science and Technology, Cumilla)</p> <p>Paper ID #155 Title: Autonomous Robot Navigation with SLAM, AMCL, and Real-Time User Interaction for Task Management and Identity Verification Authors: Imran Hossain (CIS Tech Ltd.)*; Anand Sarbabidya (CIS Tech Ltd. ); Mirza Salem (CIS Tech Ltd.); Md Ibrahim (CIS Tech Ltd.); Sanjoy Kumar Saha (CIS Tech Ltd.)</p> <p>Paper ID #165 Title: Internet of Things Based Health Monitoring System Using Smart Glove Authors: Mohammad Faisal Ahmed (International Islamic University Chittagong (IIUC)); Nowshad Hasan ( Chittagong University of Engineering &amp; Technology)*; Mohammad Woli Ullah (International Islamic University Chittagong (IIUC)); Md. Maskat Sharif (Chittagong University of Engineering and Technology); Md Tohedur Rahaman Khan (International Islamic University Chittagong); Md Rokibul Fahad Khan (International Islamic University Chittagong); Anamul Bahar (University of London)</p>
10:30 AM - 11:00 AM	YPCON Registration	
10:30 AM - 11:00 AM	Tea Break	
11:00 AM - 11:45 PM	<p style="text-align: center;"><b>YPCON Invited Talk - Ins and Outs of Research Publication</b></p> <p style="text-align: center;">Zoom Link: <a href="https://us06web.zoom.us/j/81393494831?pwd=cRphalKbdcgNMnatMvOQr5oNcZunLN.1">https://us06web.zoom.us/j/81393494831?pwd=cRphalKbdcgNMnatMvOQr5oNcZunLN.1</a> Meeting ID: 813 9349 4831 Password: 123</p>	
12:00PM - 01:00PM	<p style="text-align: center;"><b>YPCON Invited Talk - Essentials of graduate study applications</b></p> <p style="text-align: center;">Zoom Link: <a href="https://us06web.zoom.us/j/81393494831?pwd=cRphalKbdcgNMnatMvOQr5oNcZunLN.1">https://us06web.zoom.us/j/81393494831?pwd=cRphalKbdcgNMnatMvOQr5oNcZunLN.1</a> Meeting ID: 813 9349 4831 Password: 123</p>	
01:00 PM - 02:15 PM	Lunch and Prayer Break	
02:15 PM - 03:00 PM	<p style="text-align: center;"><b>Invited Talk 1 - Dr. Kazi Arafat Rahman</b></p> <p style="text-align: center;">Zoom Link: <a href="https://us06web.zoom.us/j/89423456529?pwd=iFg5okoddN83dXm3uCzwmcegj2hor.1">https://us06web.zoom.us/j/89423456529?pwd=iFg5okoddN83dXm3uCzwmcegj2hor.1</a> Meeting ID: 894 2345 6529 Password: 123</p>	
02:15 PM - 03:00 PM	<p style="text-align: center;"><b>YPCON Invited Talk - Workshop on Effective Resume/CV writing</b></p> <p style="text-align: center;">Zoom Link: <a href="https://us06web.zoom.us/j/81393494831?pwd=cRphalKbdcgNMnatMvOQr5oNcZunLN.1">https://us06web.zoom.us/j/81393494831?pwd=cRphalKbdcgNMnatMvOQr5oNcZunLN.1</a> Meeting ID: 813 9349 4831 Password: 123</p>	
03:15 PM - 04:00 PM	<p style="text-align: center;"><b>Invited Talk 2 - Dr. Arjon Turnip</b></p> <p style="text-align: center;">Zoom Link: <a href="https://us06web.zoom.us/j/89423456529?pwd=iFg5okoddN83dXm3uCzwmcegj2hor.1">https://us06web.zoom.us/j/89423456529?pwd=iFg5okoddN83dXm3uCzwmcegj2hor.1</a> Meeting ID: 894 2345 6529 Password: 123</p>	
03:15 PM - 04:00 PM	<p style="text-align: center;"><b>YPCON Technical Talk and Panel Discussion</b></p> <p style="text-align: center;">Zoom Link: <a href="https://us06web.zoom.us/j/81393494831?pwd=cRphalKbdcgNMnatMvOQr5oNcZunLN.1">https://us06web.zoom.us/j/81393494831?pwd=cRphalKbdcgNMnatMvOQr5oNcZunLN.1</a> Meeting ID: 813 9349 4831 Password: 123</p>	
04:15 PM - 04:30 PM	Tea Break	
04:30 PM - 06:00 PM	Industry- Academia Forum	
07:00 PM - 09:30 PM	Award and Closing Ceremony	