

Paper-wise Presentation Schedule

*All times given in Bangladesh standard time (GMT +6)

PID	Session	Time & Date	Session link	Titles
19	D2P11	09:30 - 11:30 January 6, 2021	934 8476 3725	Design, Simulation and Comparison of Three-phase Symmetrical Hybrid Sinusoidal PWM fed Inverter with Different PWM Techniques <i>Mahbub, Mohiuddin*; Hossain, Mohammad Ali</i>
20	D2P11	09:30 - 11:30 January 6, 2021	934 8476 3725	Comparative Analysis of Five Different PWM Techniques on Three-Phase Voltage Source Inverter fed Induction Motor Drive <i>Mahbub, Mohiuddin*</i>
34	D3P14	09:30 - 11:30 January 7, 2021	925 8260 5382	Optimization of Temperature and Relative Humidity in an Automatic Egg Incubator Using Mamdani Interference System <i>Dutta, Pramit*; Anjum, Nafisa</i>
40	D1P11	10:00 - 12:00 January 5, 2021	934 8476 3725	Design and Simulation of a Dual Rotor Wind Turbine based PMSG System <i>Islam, MD. Sadman; Hoque, S.M.Tanbinul*; Hazari, Md. Rifat; Hasan, Md Mehedi ; Uddin, Muslim</i>
41	D1P22	15:30 - 17:30 January 5, 2021	947 8717 9992	An Adaptive Graph Algorithm on Weighted One Mode Projection of Bipartite Graph For The Detection of Spammer Group From Online Marketplace <i>Sultana, Naznin*; Palaniappan, Sellappan; Saha, Pratim</i>
42	D2P12	09:30 - 11:30 January 6, 2021	947 8717 9992	Automatic Machine Translation for Bangla and English Resolving Ambiguities <i>Tuhin, Ohidujjaman *; Faysal, Fahim ; Sumon, Shams ; Huda, Nurul</i>
43	D3P11	09:30 - 11:30 January 7, 2021	934 8476 3725	A Neutral Point Clamped Grid Feeding Voltage Source Inverter with an Improved Control Technique for Solar PV System <i>Jahan, Sumaya S*; Biswas, Shuvra Prokash; Hossain, Md. Kamal</i>
45	D1P22	15:30 - 17:30 January 5, 2021	947 8717 9992	Graceful Cascading Labelling Algorithm: Construction of Graceful Labelling of Trees <i>Gomes, Dipta Justin*; Hasan, Md. Manzurul</i>
46	D3P21	14:00 - 16:00 January 7, 2021	934 8476 3725	Producing Electricity Using Ion Harvesting Technology <i>Hussain, Faheem*; Pal, Asish; Islam, MD Jobayer; Howlader, Durlove; Hossain, MD. Sajid</i>



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PID	Session	Time & Date	Session link	Titles
49	D3P11	09:30 - 11:30 January 7, 2021	934 8476 3725	LVRT Performance Analysis and Transient Stability Augmentation of a Grid-Tied PV System <i>Mahmud, S. M. Istiaque*; Mannan, Mohammad Abdul ; Hazari, Md. Rifat</i>
64	D1P13	10:00 - 12:00 January 5, 2021	932 9383 1702	Effect of Underlap with Fixed Gate Length:GaN-Based Double Gate MOSFETs <i>Hasan, Md. Rokib*; Islam, Md. Rabiul; Bhuiyan , Tanjim Masroor; Nibir, Muhib Ashraf; Hasan, Md. Emran; Hossain, Tanvir</i>
66	D3P13	09:30 - 11:30 January 7, 2021	932 9383 1702	Smart Security Device for Women Based on IoT Using Raspberry Pi <i>Ghosh, Prottasha; Bhuiyan , Tanjim Masroor; Nibir, Muhib Ashraf; Hasan, Md. Emran; Islam, Md. Rabiul; Hasan, Md. Rokib*; Hossain, Tanvir</i>
74	D2P21	14:00 - 16:00 January 6, 2021	934 8476 3725	Blockchain-Based Peer-to-Peer Sustainable Energy Trading in Microgrid using Smart Contracts <i>Niloy, Fardin Ahmed ; Nayeem, Md. Abu*; Rahman, Md. Majedur ; Dowla, Md. Nozib Ud</i>
77	D2P33	16:50 - 18:50 January 6, 2021	932 9383 1702	GSM-GPRS Based Smart Street Light <i>Kabir, Imran; AHAMAD, SHIHAB UDDIN; Uddin , Mohammad Naim ; Hossain, Shah Mohazzem ; Farjana, Faija*; Datta, Partha; Riad, MD. Raduanul Alam; Haider, Md Hossam-E</i>
79	D2P21	14:00 - 16:00 January 6, 2021	934 8476 3725	Simulation Based Analysis of Switching and Lightning transient effects on Extra High Voltage AC Overhead Transmission Line <i>AHAMAD, SHIHAB UDDIN*; Farjana, Faija; Islam, Tamanna ; Khan, Md Ali Azam</i>
81	D2P24	14:00 - 16:00 January 6, 2021	925 8260 5382	Optimized PID Control Scheme for Three Phase Micro-grid System <i>Roni, Md. Hassanul Karim*; Rana, Dr Md. Sohel</i>
82	D1P21	15:30 - 17:30 January 5, 2021	934 8476 3725	Modelling and Analysis of a microgrid with diesel generator and battery system <i>Ghosh, Debashish*; Shatil, Abu Hena M</i>
83	D3P11	09:30 - 11:30 January 7, 2021	934 8476 3725	Augmentation of Battery Management Systems in Smart-Grid operation using Fuzzy Logic <i>Nahar, Sabiqun*; Arnob, Redowan M; Shatil, Abu Hena M</i>
86	D2P32	16:50 - 18:50 January 6, 2021	947 8717 9992	Implementing Fuzzy Analytical Hierarchy Process (FAHP) To Measure Malicious Behaviour of Codes In Smart Meter <i>Mahbub, Tasmima Noushiba*; Hossain, Syed Sadia; Akash, Rakib Ahmad; Reza, S M Salim; Tasnim, Zarin</i>

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91	D3P11	09:30 - 11:30 January 7, 2021	934 8476 3725	Analysis of an IGBT Based AC Chopper Driving RL Load for Oscillation Free Output Voltage <i>Islam, Md Mayenul*</i> ; <i>Khan , Muhammad Abdul Goffar</i> ; <i>Malek, Md. Abdul</i> ; <i>ul Hoque, Md Yahyah</i>
97	D2P34	16:50 - 18:50 January 6, 2021	925 8260 5382	Treatment of Water Algae by Water Surface Discharge Plasma <i>Ahmed, Raju*</i>
99	D3P21	14:00 - 16:00 January 7, 2021	934 8476 3725	Modification of Receiver to Improve the Efficiency of Parabolic Trough Collector <i>Fuad, Assrafujzaman*</i> ; <i>Basak, Saikat</i>
101	D3P14	09:30 - 11:30 January 7, 2021	925 8260 5382	A Smart Natural Gas Leakage Detection and Control System for Gas Distribution Companies of Bangladesh using IoT <i>Paul , Hilton *</i> ; <i>saifullah, Md. khalid</i> ; <i>Kabir , Md.Monirul</i>
106	D1P23	15:30 - 17:30 January 5, 2021	932 9383 1702	AI Traffic Control System Based on Deepstream and IoT Using NVIDIA Jetson Nano <i>Uddin, Md. Imran*</i> ; <i>Alamgir, Md. Shahriar</i> ; <i>Rahman, Md. Mahabubur</i> ; <i>Shahnewaz Bhuiyan, Muhammed ; Moral, Md Asif</i>
113	D2P22	14:00 - 16:00 January 6, 2021	947 8717 9992	Convolutional Neural Network-based Enhancement Method of 3D MRI <i>Islam, Dr. Rafiqul *</i> ; <i>Islam, Md. Shafiqul</i>
114	D1P22	15:30 - 17:30 January 5, 2021	947 8717 9992	Database Security as a Gateway to Privacy Preserving Data Mining <i>Shanta, Fariha Jahan</i> ; <i>Ibne Momin , Mahibul Abdullah *</i> ; <i>Bhowmik, Chinmoy ; Haque, Dr. Md. Mokammel</i>
116	D1P14	10:00 - 12:00 January 5, 2021	925 8260 5382	Application of Fuzzy Logic for Collision Avoidance of Mobile Robots in Dynamic-Indoor Environments <i>Chabor Alwawi, Bashra Kadhim*</i> ; <i>Mahfuz, Asif</i> ; <i>Roth, Hubert</i>
118	D1P21	15:30 - 17:30 January 5, 2021	934 8476 3725	Stability Enhancement of Power System including Wind Farm by Voltage Control and Virtual Synchronous Generator Control <i>Nakamura, Ayaka*</i> ; <i>Alsharif, Faramarz</i> ; <i>Umemura, Atsushi</i> ; <i>Takahashi, Rion</i> ; <i>Tamura, Junji</i> ; <i>Sakahara, Atsushi</i> ; <i>Tosaka, Fumihito</i> ; <i>Nakamoto, Ryosuke</i>
119	D2P12	09:30 - 11:30 January 6, 2021	947 8717 9992	Bengali Handwritten Character Transformation: Basic to Compound and Compound to Basic Using Convolutional Neural Network <i>Chakraborty, Soarov*</i> ; <i>Paul, Shourav</i>
120	D2P32	16:50 - 18:50 January 6, 2021	947 8717 9992	Prediction of Apple Leaf Diseases Using Multiclass Support Vector Machine <i>Chakraborty, Soarov*</i> ; <i>Paul, Shourav</i> ; <i>Zaman, Rahat uz</i>

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127	D1P21	15:30 - 17:30 January 5, 2021	934 8476 3725	Transient Stability Enhancement of Power System by Virtual Synchronous Generator Control of Battery <i>Li, Zhichao*</i> ; <i>Alsharif, Faramarz</i> ; <i>Umemura, Atsushi</i> ; <i>Takahashi, Rion</i> ; <i>Tamura, Junji</i> ; <i>Sakahara, Atsushi</i> ; <i>Tosaka, Fumihito</i> ; <i>Nakamoto, Ryosuke</i>
128	D2P14	09:30 - 11:30 January 6, 2021	925 8260 5382	Smart Agriculture Robotic System Based on Internet of Things to Boost Crop Production <i>Hasan, Mehedi</i> ; <i>Uddin, Kamrul Nazir Walli</i> ; <i>Sayeed, Ahsan</i> ; <i>Tasneem, Tasnuva*</i>
129	D1P21	15:30 - 17:30 January 5, 2021	934 8476 3725	Stabilization of Power System by Virtual Inertia Control of Adjustable Speed Synchronous Condenser <i>Matsuda, Kazuya*</i> ; <i>Alsharif, Faramarz</i> ; <i>Umemura, Atsushi</i> ; <i>Takahashi, Rion</i> ; <i>Tamura, Junji</i> ; <i>Sakahara, Atsushi</i> ; <i>Tosaka, Fumihito</i> ; <i>Nakamoto, Ryosuke</i>
130	D3P23	14:00 - 16:00 January 7, 2021	932 9383 1702	Sparse Antenna Array Performance and Degree of Freedom Improvement by Optimization Methods <i>Chowdhury, Md Waqeeb Tahmeed Sayeed*</i> ; <i>Mastora, Maisha</i>
134	D2P13	09:30 - 11:30 January 6, 2021	932 9383 1702	Attaining High Efficiency with Low Voltage Gain: Performance Evaluation of the Proposed DC-DC Buck Converter <i>Soheli, Sairatun Nesa*</i>
135	D2P13	09:30 - 11:30 January 6, 2021	932 9383 1702	Designing a Highly Effective DC-DC Buck Converter for Sustainable Electronic Applications <i>Soheli, Sairatun Nesa*</i>
136	D1P11	10:00 - 12:00 January 5, 2021	934 8476 3725	Fuzzy Logic Controlled DC-Link Protection Scheme of PMSG Based Wind Turbine <i>HAQUE, MD. ZUBAIRUL*</i> ; <i>Hazari, Md. Rifat</i> ; <i>Mannan, Mohammad Abdul</i> ; <i>Tamura, Junji</i>
138	D1P24	15:30 - 17:30 January 5, 2021	925 8260 5382	Crop Condition Analyzer Robot with Image Processing Feedback to Assist Farmer <i>Rafi, Shoyeb Ahammad</i> ; <i>Chowdhury, Toukir Hasan</i> ; <i>Rahaman, Dewan Md. Anisur</i> ; <i>Bari, Md. Washimul</i> ; <i>Islam, Md. Jahidul</i> ; <i>Tanjim, Meer Shadman Shafkat*</i>
139	D1P11	10:00 - 12:00 January 5, 2021	934 8476 3725	Suppression of Frequency Fluctuation of Power System by Output Control of PMSG Wind Generator <i>sato, ryohei*</i> ; <i>Alsharif, Faramarz</i> ; <i>Umemura, Atsushi</i> ; <i>Takahashi, Rion</i> ; <i>Tamura, Junji</i>
140	D2P11	09:30 - 11:30 January 6, 2021	934 8476 3725	A Novel 24-Pulse Star Rectifier Using Simple Passive Injection Method at DC Link <i>Malek, Md. Abdul*</i> ; <i>Khan, Muhammad Abdul Goffar</i>
141	D3P24	14:00 - 16:00 January 7, 2021	925 8260 5382	Mid-Infrared Supercontinuum generation in Liquid Filled Hexagonal Photonic Crystal Fiber



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				<i>Esa, Shahria Farid*; Ahmad, Redwan ; Alam, Khandaker Rafsan; Faruqe, Omar</i>
143	D2P31	16:50 - 18:50 January 6, 2021	934 8476 3725	Development of a Solar Powered Electric Vehicle based on Tadpole Design <i>Tahjib, Alam*; Tanzin, Humaiya; Rahman, S M Imrat ; Shariful Islam, Bhuiyan; Azim, Hasan</i>
144	D3P14	09:30 - 11:30 January 7, 2021	925 8260 5382	Automatic Synchronization Unit For Marine Alternators <i>Siddiqi, Md. Tanvir Ahmed *; Rasul, Md.Muhtasim ; Hossain, Shah Mohazzem</i>
145	D3P24	14:00 - 16:00 January 7, 2021	925 8260 5382	An Analysis on GNSS Parameters over Bangladesh Intended for Developing a SBAS <i>Sadman, A. A. M Shah*; Haider, Md Hossam-E</i>
147	D2P33	16:50 - 18:50 January 6, 2021	932 9383 1702	Proposing a Real-Time Ticket Monitoring System for Public Transport in NSW, Australia <i>Ali, Syed Shafin S*; Rawdah, Rawdah</i>
148	D2P34	16:50 - 18:50 January 6, 2021	925 8260 5382	NeuroSpy: A low-cost portable IoT enabled EEG and ECG data processor <i>Hassin, Manzar E; Khan, Riasat *</i>
149	D2P21	14:00 - 16:00 January 6, 2021	934 8476 3725	The Data Acquisition and Control Unit Design for Demand Side Low-Cost Customized SCADA <i>Tanjim, Meer Shadman Shafkat*; Saleque, Ahmed Mortuza; Rahman, Md. Abdur</i>
151	D2P12	09:30 - 11:30 January 6, 2021	947 8717 9992	Detection of Compatibility, Proximity and Expectancy of Bengali Sentences using Long Short Term Memory <i>Haider Chowdhury, Md. Ashraful*; Mumenin, Nasirul ; Taus, Muhammad ; Yousuf, Mohammad A</i>
153	D1P22	15:30 - 17:30 January 5, 2021	947 8717 9992	Performance Enhancement of Hadoop Mapreduce by Combining Data Inside the Mapper <i>Shishir, Md. Niaj Shahriar*; Yousuf, Mohammad A</i>
154	D1P23	15:30 - 17:30 January 5, 2021	932 9383 1702	An IoT Based Smart Irrigation System <i>Hossain Naeem, Md. Rezwan*; Gawhar, Shadman; Hoque Adib, Md. Belawal; Sakib, Sanjid Ahmed; Ahmed, Abir; Chisty, Nafiz Ahmed</i>
155	D2P24	14:00 - 16:00 January 6, 2021	925 8260 5382	Improved Secondary Network Voltage Control with Stability Analysis for PV Based Microgrid <i>Hasan, Mahdi ; Sultana, Rezwana Sultana; Sarker, Subrata *; Rashid, Md. Mamunur ; Sheikh, Md. Rafiqul Islam; Das, Sajal</i>
156	D2P13	09:30 - 11:30 January 6, 2021	932 9383 1702	Comparative Analysis and Exploration of a High Gain Input Current Shaped AC-DC Step-Up Converter with Feedback Controller



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				<i>Akter, Khadiza*</i> ; <i>Islam, Md. Nafiul</i> ; <i>Nahid, Firuz Ahamed</i> ; <i>Soheli, Sairatun Nesa</i>
157	D2P13	09:30 - 11:30 January 6, 2021	932 9383 1702	Solar Powered Tea Harvester With Isolated Charging Station in Sylhet, Bangladesh. <i>Biswas, Shasoto</i> ; <i>Kabir, Md. Arraf*</i> ; <i>Rabby, Md. Fazla</i> ; <i>Nazmi, Nushrah Nourin</i> ; <i>Faiz, Rethwan</i>
158	D3P12	09:30 - 11:30 January 7, 2021	947 8717 9992	A Novel Framework for Blockchain Based Driving License Management and Driver's Reputation System for Bangladesh <i>Islam, MD. Sakibul</i> ; <i>Islam, Tahmidul</i> ; <i>Alam, Md. Raiyan</i> ; <i>Mazumder, Md. Mumtahir Habib Ullah*</i> ; <i>Haque, Ebtessam A</i>
160	D1P22	15:30 - 17:30 January 5, 2021	947 8717 9992	A Web Based Four-Tier Architecture using Reduced Feature Based Neural Network Approach for Prediction of Student Performance <i>Hossen, Md. Anwar*</i> ; <i>Alamgir, Rakib Bin</i> ; <i>Alam, Arman Ul</i> ; <i>Siddika, Fatema</i> ; <i>Hossain, Shah Fahad</i> ; <i>Arman, Md. Shohel</i>
161	D3P13	09:30 - 11:30 January 7, 2021	932 9383 1702	Designing of A Handbag for Women Safety <i>Ali, M Tanseer*</i> ; <i>Islam, Nuzhat Shakira</i> ; <i>Rakib, Md Wahiduzzaman</i> ; <i>Ahmed, Rafid Al</i> ; <i>Kaicher, Mohammad Hamdan</i>
163	D3P21	14:00 - 16:00 January 7, 2021	934 8476 3725	Prospect of Mini-Hydel Power Generation in Drainage Systems of Dhaka <i>Ali, M M Naushad *</i> ; <i>Nahian, Ahmed Jaudat</i> ; <i>Siddique, Abdul Hasib</i> ; <i>Hasan, Mehedi</i> ; <i>Chowdhury, Nusrat</i> ; <i>Hossain, Ch. Akram</i>
164	D1P21	15:30 - 17:30 January 5, 2021	934 8476 3725	A new control strategy for frequency stabilization of small scale power system by variable speed diesel engine-driven power plant <i>Takahashi, Rion*</i> ; <i>Umemura, Atsushi</i> ; <i>Tamura, Junji</i>
165	D1P11	10:00 - 12:00 January 5, 2021	934 8476 3725	Cooperative Virtual Inertia and Reactive Power Control of PMSG Wind Generator and Battery for Improving Transient Stability of Power System Including Renewable Energy Sources <i>Sato, Takamasa*</i> ; <i>Alsharif, Faramarz</i> ; <i>Umemura, Atsushi</i> ; <i>Takahashi, Rion</i> ; <i>Tamura, Junji</i>
166	D2P31	16:50 - 18:50 January 6, 2021	934 8476 3725	3-phase IM Controlled Solar Electric Boat for Portable Irrigation and Recreational Purposes by using 300V DC/AC Drivetrain <i>Uddin, Mohammad Rejwan*</i> ; <i>Sakib, Iftadul Islam</i> ;

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				<i>Faruque,, Khan Farhan Ibne; Sakib, Nazmus; Salim, Khosru M.</i>
168	D2P23	14:00 - 16:00 January 6, 2021	932 9383 1702	Design of Smart Biofloc for Real-Time Water Quality Management System <i>Ahamed, Istiaque*; Ahmed, Abir</i>
173	D1P14	10:00 - 12:00 January 5, 2021	925 8260 5382	A Novel Mechanism Design Technique To Develop A Vertical Climbing Robot With High Mobility For Flat And Spherical Surfaces <i>Khan, Shahriar Siraj*; Akash, Alve Rahman; Maaj, Sheikh; Hassan, MD. Rakibul ; Rahman, Md. Abdur</i>
176	D3P22	14:00 - 16:00 January 7, 2021	947 8717 9992	Electronic Medical Record Data Sharing Through Authentication and Integrity Management <i>Nirjhor, MD. Kaim Iftahaj*; Yousuf, Mohammad A; Mhaboob, Md. Shariar</i>
177	D3P12	09:30 - 11:30 January 7, 2021	947 8717 9992	Business Forecasting System using Machine Learning Approach <i>Mia, Md. Anisur Rahman*; Yousuf, Mohammad A; Ghosh, Rupon</i>
179	D3P12	09:30 - 11:30 January 7, 2021	947 8717 9992	Credit Card Approval Prediction by Non-negative Tensor Factorization <i>Zarnaz, Zaima*; Biswas, Dipannita; HASAN, K. M. AZHARUL</i>
181	D3P22	14:00 - 16:00 January 7, 2021	947 8717 9992	Performance Comparison for Data Retrieval from NoSQL and SQL Databases: A Case Study for COVID-19 Genome Sequence Dataset <i>Chakraborty, Soarov*; Paul, Shourav; HASAN, K. M. AZHARUL</i>
184	D1P13	10:00 - 12:00 January 5, 2021	932 9383 1702	The Effects of the Substrate Doping Concentrations on 6H-SiC Nano-Scale ggNMOS ESD Protection Device <i>Chowdhury, Shirazush Salekin*; Arifin, Farhadur</i>
189	D3P24	14:00 - 16:00 January 7, 2021	925 8260 5382	Nicotine Sensing by Photonic Crystal Fiber in THz Regime <i>Jibon, Rayhan Habib*; Ahmed, Moaz; Rahaman, Md. Ekhlatur; Hasan, Md. Khaled; Shaikh, Md. Murad; Tooshil, Abul</i>
196	D2P22	14:00 - 16:00 January 6, 2021	947 8717 9992	A Comparative Study on Heart Disease Prediction Using Data Mining Techniques and Feature Selection <i>Tasnim, Farzana*; Umme Habiba, Sultana</i>
197	D3P11	09:30 - 11:30 January 7, 2021	934 8476 3725	Incorporating Multi-Agent Systems Technology in Power and Energy Systems of Bangladesh: A Feasibility Study <i>MD Hassan, Syed Redwan*; Hasan, Nazmul; Siddique,</i>

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				<i>Mohammad Ali; Fahim, K. M. Solaiman; Rahman, Rummana; Iftekhar, Dr. Lamia</i>
202	D2P33	16:50 - 18:50 January 6, 2021	932 9383 1702	Road Accident Prevention by Detecting Drowsiness & Ensure Safety Issues <i>SOHEL, RANA; MD RABBI HASAN, FAYSAL*; SAJAL CHANDRA, SAHA; ABDULLAH ALL, NOMAN; Shikder, Kawshik</i>
205	D1P21	15:30 - 17:30 January 5, 2021	934 8476 3725	Analysis of a Hybrid Power System Including Large-Scale Wind Farm <i>Chowdhury, Akib*; Hazari, Md. Rifat; Jahan, Effat; Hossain, Chowdhury Akram A; Mannan, Mohammad Abdul</i>
208	D2P32	16:50 - 18:50 January 6, 2021	947 8717 9992	Prediction of Flood in Bangladesh using k-Nearest Neighbors Algorithm <i>Gauhar, Noushin; Das, Sunanda*; Moury, Khadiza Sarwar</i>
213	D2P32	16:50 - 18:50 January 6, 2021	947 8717 9992	A Leaf Disease Classification Model in Betel Vine Using Machine Learning Techniques <i>Hasan, Md Zahid*; Zeba, Nahid; Malek, Md. Abdul; Reya, Sanjida Sultana</i>
215	D2P32	16:50 - 18:50 January 6, 2021	947 8717 9992	A Crop Pest Classification Model Using Deep Learning Techniques <i>Hasan, Md Zahid*; Malek, Md. Abdul; Reya, Sanjida Sultana; Hossain, Shakhawat</i>
216	D2P24	14:00 - 16:00 January 6, 2021	925 8260 5382	Stable Matching based Parking Lot Allocation for Autonomous Vehicles <i>Rahman, Ashiqur*; Rahman, Koushiqur; Alam, Dr. Golam Rabiul</i>
217	D1P14	10:00 - 12:00 January 5, 2021	925 8260 5382	Night Patrolling Robot <i>Khalid, Farabee*; Albab, Itmamul Haque; Roy, Dipto; Asif, Azad Prince; Shikder, Kawshik</i>
218	D2P22	14:00 - 16:00 January 6, 2021	947 8717 9992	Machine Learning based Analysis to Predict Autism by Investigating Eye-tracking Dataset <i>Akter, Tania; Khan, Imran; Satu, Md. Shahriare*; Ali, Dr. Mohammad Hanif; Moni, Mohammad Ali</i>
219	D2P12	09:30 - 11:30 January 6, 2021	947 8717 9992	Bangladeshi Banknote Recognition in Real-time using Convolutional Neural Network for Visually Impaired People <i>Tasnim, Rahnuma; Pritha, Sadia Tasnuva; Das, Annesha*; Dey, Ashim</i>

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220	D2P31	16:50 - 18:50 January 6, 2021	934 8476 3725	Scroll Saw Machine Fabrication with High-Speed 3-Phase VFD Motor Drives for Photovoltaic Small Wooden Industrial Application of Off-grid Areas <i>Sarkar, Samrat Tonmoy; Muhtaseem, Juned Ahmad; Uddin, Mohammad Rejwan*; Salim, Khosru M.</i>
221	D2P34	16:50 - 18:50 January 6, 2021	925 8260 5382	Design of a Line Following Wheelchair for Visually Impaired Paralyzed Patient <i>Shoovo , Gullam Rabbani ; Dey, Bishal; Akash, MD. Kamrujjaman ; Motahara, Tasnim; Imam, Mohammad Hasan*</i>
222	D1P24	15:30 - 17:30 January 5, 2021	925 8260 5382	Cyclic Task-Based Affordable Robot for Medicine-Intake Purpose of COVID-19 Patient <i>Oishi, Ashrafun Nushra; Tanjim, Meer Shadman Shafkat*; Palash, Minar Mahmud; Barua, Sourav; Sarkar, Md. Rashel; Rafi, Shoyeb Ahammad</i>
223	D3P11	09:30 - 11:30 January 7, 2021	934 8476 3725	FEASIBILITY STUDY OF AN AUTOMATIC GRID-TIED SOLAR IRRIGATION SYSTEM FOR RURAL APPLICATION <i>Chowdhury, Nusrat; Chowdhury, Akib *; Hossain, Chowdhury Akram A; Longo, Michela; Yaici, Wahiba</i>
226	D2P14	09:30 - 11:30 January 6, 2021	925 8260 5382	Eye Pupil Controlled Transport Riding Wheelchair <i>Akanto, Jannatul Mawa; Islam, Md.Kamrul*; Hakim, Ajijul; Sojun, Md. Azizul Hoque ; Shikder, Kawshik</i>
230	D2P33	16:50 - 18:50 January 6, 2021	932 9383 1702	Voice Activated Portable Braille with Audio Feedback <i>Faisal, Fahad; Hasan, Mehedi; Sabrin, Samia*; Hasan, Md. Zahid; Siddique, Abdul Hasib; Mamun, Abdullah Al ; Karim, Asif</i>
232	D2P31	16:50 - 18:50 January 6, 2021	934 8476 3725	Design of a Simulation Program to Model Vulcanization Ovens in Glove Manufacturing <i>Tan, Ai Hui*; Tou, Teck Yong; Yap, Timothy Tzen Vun</i>
233	D1P12	10:00 - 12:00 January 5, 2021	947 8717 9992	COVID-19 Detection using Transfer Learning with Convolutional Neural Network <i>Dutta, Pramit*; Roy, Tanny; Anjum, Nafisa</i>
234	D3P22	14:00 - 16:00 January 7, 2021	947 8717 9992	Analysis of Micro Duty Cycle Techniques for Efficient SMAC <i>Abrar, Ehsanul*; Hassan, Mir Naeemul; Biswas, Md. Asraf; Jahid, Md.Sarwar; Mazid-Ul-Haque, Md.; Islam, Sohikul</i>
238	D1P14	10:00 - 12:00 January 5, 2021	925 8260 5382	Implementation of Cost Effective Bomb Defusing Robot with live streaming dual Camera Interface <i>Chowdhury, Anjir Ahmed*; Hamid, Akter Md.; Ivan, Md. Nahian al Subri</i>
241	D2P22	14:00 - 16:00 January 6, 2021	947 8717 9992	Hepatocellular Carcinoma Patient's Survival Prediction using Oversampling and Machine Learning

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				Techniques <i>Al Islam, Ferdib*</i> ; Akter, Laboni ; Islam, Md. Milon
242	D2P23	14:00 - 16:00 January 6, 2021	932 9383 1702	Performance analysis of High Frequency Class E Feedback amplifier with Schmitt Trigger driver <i>Sikder, Shoaib*</i> ; Ali, M Tanseer
243	D3P21	14:00 - 16:00 January 7, 2021	934 8476 3725	Oxyhydrogen Power Plant-the next new option to Energy Generation <i>Hassan, Md Shahriyar*</i> ; Sarker, Md Razib ; Chowdhury, Nusrat
245	D2P14	09:30 - 11:30 January 6, 2021	925 8260 5382	EEG BASED HUMAN ASSISTANCE ROVER FOR DOMESTIC APPLICATION <i>Bin Nasir, Tafhim*</i> ; Mukit Lalin, Md. Abdul; Niaz, Kabir; Karim, Md. Razaul; Rahman, Md. Abdur
247	D3P14	09:30 - 11:30 January 7, 2021	925 8260 5382	IMAGE BASED AUTOMATIC TRAFFIC SURVEILLANCE SYSTEM THROUGH NUMBER-PLATE IDENTIFICATION AND ACCIDENT DETECTION <i>SUNNY, S. M.*</i> ; Rahman, Towhidur; Ahmed, Kazi Firoz ; Zohrul Islam, S. M.; Mujtaba, Asif
249	D1P13	10:00 - 12:00 January 5, 2021	932 9383 1702	Sub-20nm GaAs-based Cylindrical Gate-All-Around FETs for Improved Performance <i>Chakraborty, Prince Joy*</i> ; Islam, Md. Mossabbarul; Ahamed, Razu; Chowdhury, Dr. Md. Iqbal B
257	D3P12	09:30 - 11:30 January 7, 2021	947 8717 9992	Detection of Mosquito Larvae Using Convolutional Neural Network <i>Saeed, Meer Shadman*</i> ; Nazreen, Syeda Fahima; Azmatullah, Syed; Rinku, Zannatul Ferdous ; Rahman, Md. Abdur
258	D3P22	14:00 - 16:00 January 7, 2021	947 8717 9992	Illegal Trash Thrower Detection Based on HOG-SVM for a Real-Time Monitoring System <i>Sarker, Nibir; Chaki, Sudipto*</i> ; Das, Avishek; Forhad, Md. Shafiul Alam
259	D3P21	14:00 - 16:00 January 7, 2021	934 8476 3725	Amelioration of the floating solar panel with Fuzzy Logic <i>Arnob, Redowan M*</i> ; Nahar, Sabiqun; Aziz, Mohibbul; Hasan, Kasfi; Uddin, Dr. Mohammad Nasir
261	D2P24	14:00 - 16:00 January 6, 2021	925 8260 5382	Microcontroller Based Environmental Pollution Monitoring System though IOT Implementation <i>Nowshin, Nadia*</i> ; Hasan, Md.Shajedul
262	D1P23	15:30 - 17:30 January 5, 2021	932 9383 1702	Implementing and improving the IoT based weather monitoring and controlling double discs type oil skimmer <i>Khan, Md. Ansar*</i> ; Mostafa, Engr. Sk. Md. Golam;



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				<i>Rahman, Anisur; Hoque, Md. Mizanul; Islam, Mohammad Tawsiful</i>
263	D3P23	14:00 - 16:00 January 7, 2021	932 9383 1702	18.7 GHz 4-Bit PIN Diode Reflection Type Phase Shifter for Radiometer Phased Array Antenna <i>Trinh, Kim Tuyen*; Feng, Jiewei; Karmakar, Nemai Chandra</i>
264	D2P21	14:00 - 16:00 January 6, 2021	934 8476 3725	The analysis of some results of electrical capacitance and dissipation factor measurements <i>Kostiukov, Ivan*</i>
267	D2P21	14:00 - 16:00 January 6, 2021	934 8476 3725	A GRU-GA Hybrid Model Based Technique for Short Term Electrical Load Forecasting <i>Inteha, Azfar; Masood, Dr Nahid Al*</i>
269	D3P13	09:30 - 11:30 January 7, 2021	932 9383 1702	Developing a device for kitchen safety and reduction of gas wastage <i>eftekhar alam, Md*; Abdul Kader, Mohammed; Muhammad, Sumaiya Deen; Momo, Sabrina Akter; Rahman, Saida; Alam, Imtiaz</i>
280	D2P32	16:50 - 18:50 January 6, 2021	947 8717 9992	Transfer Learning Approach for Plant Leaf Disease Detection Using CNN with Pre-Trained Feature Extraction Method Mobilnetv2 <i>Sattar, Abdus AS*</i>
285	D2P31	16:50 - 18:50 January 6, 2021	934 8476 3725	Solar Photovoltaic-Based Smart Metering System <i>Rasheed Tajwar, Ahmed Shah; Ahmed, Abir*; Hazari, Md. Rifat; Mannan, Mohammad Abdul</i>
289	D1P24	15:30 - 17:30 January 5, 2021	925 8260 5382	DESIGN AND IMPLEMENTATION OF ASSISTIVE ROBOT FOR THE ELDERLY AND IMPAIRED PERSON <i>Hossain, Md. Yousuf; Zarif, Shahriar rahman*; Rahman, Md. Mahboobur; Ahmed, Abir; Zishan, Md. Saniat Rahman</i>
290	D3P24	14:00 - 16:00 January 7, 2021	925 8260 5382	BER Performance of 2D-OCDMA through UWO Link <i>Islam, Md. Rabiul*; Islam, Md. Jahedul</i>
293	D3P22	14:00 - 16:00 January 7, 2021	947 8717 9992	A Comparative Study on Fake Job Post Prediction Using Different Data mining Techniques <i>Habiba, Sultana Umme*; Islam, Md. Khairul; Tasnim, Farzana</i>
294	D3P22	14:00 - 16:00 January 7, 2021	947 8717 9992	A Comparative Study to Predict the Diabetes Risk Using Different Kernels of Support Vector Machine <i>Raihan, Md. Mohsin Sarker; Raihan, M.*; Akter, Laboni</i>
298	D1P24	15:30 - 17:30 January 5, 2021	925 8260 5382	Design and Implementation of an IoT Based Firefighting and Affected Area Monitoring Robot <i>Hossain, Md Anowar*; Roy, Himaddri Shakhar;</i>



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				<i>Khondakar, Md. Fazlul Karim; Sarowar, Md. Hasib; Hossain, Md. Azad</i>
299	D2P13	09:30 - 11:30 January 6, 2021	932 9383 1702	Comprehensive Analysis of a Bridgeless AC-DC Modified Cuk Converter with Maximized Performance by Using PFC Scheme <i>Akter, Khadiza*</i>
300	D3P13	09:30 - 11:30 January 7, 2021	932 9383 1702	Design and Development of Uncapped Manhole Detection System for Waterlogged Roads <i>Tasin, Habib Shahorier*; Rahman, Md. Asif; Sarkar, Md. Shad; Shara, Sarmim Huq; Zishan, Md. Saniat Rahman</i>
303	D1P22	15:30 - 17:30 January 5, 2021	947 8717 9992	Cyber Attack Detection Model (CADM) Based on Machine Learning Approach <i>Minda, Fahima Hossain*; Akter, Marzana; Uddin, Mohammed Nasir</i>
304	D1P14	10:00 - 12:00 January 5, 2021	925 8260 5382	A Time-Varying Adaptive Inertia Weight based Modified PSO Algorithm for UAV Path Planning <i>Nayeem, Golam Moktader*</i>
308	D3P23	14:00 - 16:00 January 7, 2021	932 9383 1702	Design of a Compact Simple Structured Dual-band Patch Antenna for Wireless On-body Medical and Sports Devices <i>Ahmad, Shamim*; Md. Mehedee, Hasan; M Rashed Bin, Hossain; Hasan, Raja Rashidul; Ibna Abbas, Fysol; Imam, Mohammad Hasan</i>
309	D1P13	10:00 - 12:00 January 5, 2021	932 9383 1702	Finite Element Modeling of Synaptic Plasticity in Mushroom-type Phase Change Memory Devices for Application in Neuromorphic Systems <i>Ahmed, Imtiaz*</i>
312	D1P22	15:30 - 17:30 January 5, 2021	947 8717 9992	Pattern Recognition in Analog Wafermaps with Multiple Ensemble Approaches <i>Akhter, Prof. Dr. Shamim*; Abdullah, Md; Rahman, Md. Habibur</i>
314	D3P21	14:00 - 16:00 January 7, 2021	934 8476 3725	Design, simulation and testing of a high quality converter for renewable energy system <i>Duong, Quan M; Hossain, Chowdhury Akram A*; Nicoleta, Gabriela</i>
318	D3P14	09:30 - 11:30 January 7, 2021	925 8260 5382	Adrisya Sahayak: A Bangla Virtual Assistant for Visually Impaired <i>Sultan, Md Rakibuz; Moinul Hoque, Md*; Heeya, Farah Ulfath; Ahmed, Iftiqar; Ferdouse, Md.Redwanul; Ahmed Mubin, Shikder Mejbah</i>

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322	D2P34	16:50 - 18:50 January 6, 2021	925 8260 5382	EEG-Based Load Control System for Physically Challenged People <i>BALA, PRITAM*</i> ; Arnob, Redowan M; Islam, Mahbulul; adib, Shahariar Mahmud ; Hasan, Fayed-Al-; Uddin, Dr. Mohammad Nasir
333	D2P24	14:00 - 16:00 January 6, 2021	925 8260 5382	Smart Transformer Theft Protection and Maintenance Monitoring System <i>Fahim, Abrar; Chowdhury, Muhtasim*</i> ; Alam , Md. Ferdosh; Elahi, Fazle; Shourov, Chowdhury Erfan; Hasan, Mehedi
334	D3P24	14:00 - 16:00 January 7, 2021	925 8260 5382	Analysis of Energy Transfer between Bismuth and Erbium at 830 nm Pump <i>Ahmed, Md. Bulbul*</i> ; Islam, S M Rezwanul; Sathi, Dr. E J Zinat Mahol; Afrin, Alea
335	D3P23	14:00 - 16:00 January 7, 2021	932 9383 1702	On the Enhancement of Secrecy Multicast Capacity over κ-μ/ IG Composite Fading Channel <i>Hossen, Md. Shakhawat; Badrudduza, A. S. M. *; Hanif, Abu; Kundu, Milton Kumar; Mahmud, Md. Firoz; Sarkar, Md. Zahurul Islam Sarkar</i>
340	D1P24	15:30 - 17:30 January 5, 2021	925 8260 5382	Unmanned Aerial Vehicle for Automatic Detection of Concrete Crack using Deep Learning. <i>Saeed, Meer Shadman*</i>
341	D2P33	16:50 - 18:50 January 6, 2021	932 9383 1702	Design and Development of Lane Management and Automatic Toll Collection System <i>Ahmed, Tanim*</i> ; Hassan, Md. Mahedi; Sultana, Rabeka; Afif, Abu Numan; Zishan, Md. Saniat Rahman
342	D3P24	14:00 - 16:00 January 7, 2021	925 8260 5382	Optimization and Performance Analysis of 32 Channel 60 Gbps Hybrid Mono Stage MZM based WDM PON covering 120 km Transmission Distance <i>Bristy, Irin*</i>
345	D2P14	09:30 - 11:30 January 6, 2021	925 8260 5382	Design and Implementation of A Human Prosthetic Hand <i>Keerthi, Pritam Saha*</i> ; mamun, Salman Al; Tonima, Raihana Alam; Shanta, Shamia Akter; Ahmed, Abir; Zishan, Md. Saniat Rahman
350	D2P22	14:00 - 16:00 January 6, 2021	947 8717 9992	An Efficient Method to Classify Brain Tumor using CNN and SVM <i>Sejuti, Zarin Anjuman; Islam, Md Saiful*</i>
351	D1P23	15:30 - 17:30 January 5, 2021	932 9383 1702	IoT based bio-metric seat reservation and transport management system for university bus <i>eftekhhar alam, Md*</i> ; Abdul Kader, Mohammed; Parvin, Rahala; Sultana, Sharmin ; Sultana, Zinnia; Muhammad, Sumaiya Deen

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353	D1P12	10:00 - 12:00 January 5, 2021	947 8717 9992	Brain Tumor Types Classification using K-means Clustering and ANN Approach <i>Biswas, Angona; Islam, Md Saiful*</i>
363	D2P14	09:30 - 11:30 January 6, 2021	925 8260 5382	Smart Waste Management System for Bangladesh <i>Khan, Arafat Ali*; Sajib, Arif Akram; Shetu, Farhana; Bari, Saimum ; Zishan, Md. Saniat Rahman; Shikder, Kawshik</i>
370	D1P12	10:00 - 12:00 January 5, 2021	947 8717 9992	An automated cloud-based tool for Screening of Parkinson's disease in Bangladesh <i>Ehsan, Tanvir*; Sajal, Md. Sakibur Rahman; Abdullah-Al-Mamun, Khondaker</i>
372	D3P13	09:30 - 11:30 January 7, 2021	932 9383 1702	Implementation of Cascaded Multilevel Inverter with Reduced Number of Components <i>Uddin, M Jawad*; Islam, Dr. Md. Shahidul</i>
376	D1P24	15:30 - 17:30 January 5, 2021	925 8260 5382	Unmanned Aerial Vehicle for Cleaning and Firefighting Purposes <i>Jaber, Raiyan Al*; Sikder, Shoaib; Hossain, Rowsson Ara; Malia, Kh. Fatetema Nur; Rahman, Md. Abdur</i>
377	D1P12	10:00 - 12:00 January 5, 2021	947 8717 9992	A Comparative Analysis of Ensemble based Machine Learning Techniques for Diabetes Identification <i>Taz, Nahid Hossain*; Oitijjho, Abrar Islam; Mahmud, Ishrak</i>
378	D1P13	10:00 - 12:00 January 5, 2021	932 9383 1702	Efficiency Enhancement of a PCDTBT/PC71BM-based Organic Solar Cell Through Layer-thickness Optimization <i>Sara, Zubeda Akhter*; Chowdhury, Washikul Haider ; Miah, Md. Mostakim; Das, Moumita ; Chowdhury, Dr. Md. Iqbal B</i>
380	D2P23	14:00 - 16:00 January 6, 2021	932 9383 1702	Design of an Area Efficient Quantum Dot Cellular Automata Based Full Adder Cell Having Low Latency <i>Joy, Upal Barua; Chakraborty, Shourov; Tasnim, Sumaiya; Hossain, Md Shahadat; Siddique, Abdul Hasib; Hasan, Mehedi*</i>
381	D3P23	14:00 - 16:00 January 7, 2021	932 9383 1702	Enhancing Security of Image Steganography Using Visual Cryptography <i>Islam, Muhammad Aminul*; Riad, Md. Al-Amin Khan; Pias, Tanmoy Sarkar</i>
384	D3P12	09:30 - 11:30 January 7, 2021	947 8717 9992	SFC: A Lightweight Blockchain Model for Smart Food Industry <i>Yasmin, Samia*; Sohan, Md. Faruk Abdullah Al; Bin Anwar, Md. Navid; Hasan, Mehedi; Hossain, G.M. Farhad</i>

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385	D2P23	14:00 - 16:00 January 6, 2021	932 9383 1702	Design of a Polymer Based On-Skin Temperature Sensor <i>Choyon, Md Mashrur Sakib*; Sad, A. S. M. Mehedi Hasan; Rhydwan, Abu Hasnat Md; Shikder, Kawshik; Hossain, Chowdhury Akram A</i>
387	D3P23	14:00 - 16:00 January 7, 2021	932 9383 1702	Design of Double Inverted F-shaped Dual Wideband Microstrip Antenna for WLAN, WiMAX Wireless Communication <i>HAKIM, MD. AZIZUL*; Patwary, Adnan B; Hossain, Md. Azad</i>
390	D1P23	15:30 - 17:30 January 5, 2021	932 9383 1702	Monitoring Air Quality of Dhaka using IoT: Effects of COVID-19 <i>Saha, Rajib*; Manu, M M R; Hoque, Aminul; Hoque, Dr.S.N.M Azizul</i>
391	D2P12	09:30 - 11:30 January 6, 2021	947 8717 9992	Towards Tolerating Soft Errors in TCAM <i>Alam, Samrat*; Zobayer, Abdullah Al; Sadi, Dr. Md. Sheikh</i>
392	D1P13	10:00 - 12:00 January 5, 2021	932 9383 1702	Performance Analysis of Transition Metal Dichalcogenide Based Multichannel Cylindrical Shaped Gate All Around (GAA) MOSFET <i>Hossian, Noushad*; Das Gupta, Mohona; Saha, Jibesh K</i>
395	D3P12	09:30 - 11:30 January 7, 2021	947 8717 9992	Increasing Throughput and Reducing Storage Bloating Problem Using IPFS and Dual-Blockchain Method <i>Sohan, MD. Soharab Hossain*; Mahmud, Minhaz; Sikder, M. A. Baten; Hossain, Fakir Sharif; Hasan, Md. Rakibul</i>
401	D2P11	09:30 - 11:30 January 6, 2021	934 8476 3725	Comparison Study of Inductive Coupling and Magnetic Resonant Coupling Method for Wireless Power Transmission of Electric Vehicles <i>YOUSUF, MD. ABU; Das, Tushar Kumar*; Khallil, Md. Ebrahim; Ab. Aziz, Nor Azlina; Rana, Md. Jewel; Hossain, Sajeeb</i>
406	D1P12	10:00 - 12:00 January 5, 2021	947 8717 9992	Improved Machine Learning based Classification Model for Early Autism Detection <i>Akter, Tania; Khan, Imran; Satu, Md. Shahriar*; Uddin, Md. Jamal; Ali, Dr. Mohammad Hanif; Moni, Mohammad Ali</i>
407	D2P23	14:00 - 16:00 January 6, 2021	932 9383 1702	Design and Evaluation of High-Performance FIR Filter using 45nm Technology <i>Juthi, Farhana Sayed*; Bhuiyan, Hasibul Hasan; Babul, Muntasir; Hasan, Mehedi; Arifin, Farhadur</i>



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409	D2P24	14:00 - 16:00 January 6, 2021	925 8260 5382	Development of a Secured and Low-budget Biometric Electronic Voting Machine for Bangladesh <i>Ahmed, Md. Shihab Uddin; Rouf, Nirjhor Tahmidur*; Hasan, A N M Shahebul; Hasan, Md Abid ; Rozario, Omi Evance; Rahman, A.A.M. Faiyaz; Saleh, Sheikh Raihan Al; Aditto, Shadman Shakib</i>
413	D2P21	14:00 - 16:00 January 6, 2021	934 8476 3725	An Unsupervised Protection Scheme for Overhead Transmission Line with Emphasis on Situations During Line and Source Parameter Variation <i>Fahim, Shahriar Rahman*; Niloy, Sarker ; Shatil, Abu Hena M; Hazari, Md. Rifat; Sarker, Subrata; Das, Sajal</i>
414	D1P12	10:00 - 12:00 January 5, 2021	947 8717 9992	Ischemic Brain Stroke Detection From MRI Image Using Logistic Regression Classifier <i>Hossain, Md.Shabuj ; Saha, Subir; Paul, Liton Chandra*; Azim, Rezaul ; SUMAN, ABDULLA AL</i>
418	D1P11	10:00 - 12:00 January 5, 2021	934 8476 3725	Fuzzy Logic Based Adaptive Overcurrent Protection for Wind Farms <i>Uddin, Mohammad N*; Rezaei, Nima</i>
419	D3P23	14:00 - 16:00 January 7, 2021	932 9383 1702	UWB Microwave Imaging for Non-Invasive Anomaly Detection in Human Lung and Possible Application in COVID-19 Diagnosis: A Review <i>Alam, Nowshin*; Ahmed, Abir; Oni, Md Ashif Islam; Meem, Tahseen Asma; Rahman, Md. Abdur</i>