Program Highlights Day 1					
	Day 1 : 10 December 2015 (Thursday)				
9:00AM - 10:00 AM	Registra	ation and Kit Dis	stribution, KUET A	Auditorium	
10:00 AM - 10:45AM	Ina	uguration Ceren	nony, KUET Audit	orium	
10:45AM – 11:15AM		Refreshment,	KUET Auditorium	l	
11:15AM – 12:00 PM			te Session I		
12:00PM -12:45PM		Keynot	e Session II		
12:45 PM – 1:15 PM		Session	for Sponsors		
1:15 PM – 2:15 PM			d Lunch Break		
2:30 PM – 3:30 PM			hnical Session A		
	D1A1	D1A2	D1A3	D1A4	
3:30 PM – 4:15 PM		•	nd Tea Break		
4:15 PM – 5:00 PM			hnical Session B	I	
	D1B1	D1B2	D1B3	D1B4	
	End of Day 1				
	Program	n Highlights Da	y 2		
	Day 2 : 11 D	ecember 2015 (	Friday)		
8:45 AM – 9:45 AM		Parallel Tec	hnical Session C		
	D2C1	D2C2	D2C3	D2C4	
9:45 AM – 10:00 AM			a Break		
10:00 AM - 10:45 AM			e Session III		
10:45 AM - 11:30 AM			e Session IV		
11:30 AM – 12:30 PM	Parallel Technical Session D				
	D2D1	D2D2	D2D3	D2D4	
12:30 PM – 2:30 PM			l Lunch Break		
2:30 PM - 3:30 PM			hnical Session E		
	D2E1	D2E2	D2E3	D2E4	
3:30 PM – 4:15 PM			nd Tea Break		
4:15 PM - 5:00 PM			hnical Session F		
	D2F1 D2F2 D2F3 D2F4				
	End of Day 2				

Program Highlights Day 3				
Day 3 : 12 December 2015 (Saturday)				
9:00 AM – 10:00 AM	Parallel Technical Session G			
7.007101 - 10.007101	D3G1	D3G2	D3G3	D3G4
10:00 AM - 10:30 AM	Tea Break			
10:30 AM – 5:15PM	Sight Seeing Tour			
6:30 PM – 9:00 PM	Closing Ceremony and Conference Dinner			
End of Day 3				

Keynote Sessions	
Keynote Session I	
Date: 10 December 2015,	
Time: 11:15AM – 12:00 PM	Venue: KUET Auditorium
Title: Multimodal Biometrics System of IIT Kanpur	
Speaker: Prof. Phalguni Gupta	
Keynote Session II	
Date: 10 December 2015	
Time: 12:00PM –12:45PM	Venue: KUET Auditorium
Title:Success of indigenous efforts in Biomedical Engineer	ring
Speaker: Prof. K Siddique-e Rabbani	
Keynote Session III	[
Date: 11 December 2015	
Time: 10:00 AM – 10:45 AM	Venue: CSE 301
Title: Journey of the transistor	
Speaker: Prof. Anisul Haque	
Keynote Session IV	
Date: 11 December 2015	
Time: 10:45 AM – 11:30 AM	Venue: CSE 301
Title: Planar Antennas for Small Satellite	
Speaker: Prof. Mohammad Tariqul Islam	

Т	echnical	Session : Day 1 – Parallel Session A (D1A1) 10 December 2015		
Venue : CSE	302	Time: 2:30 PM – 3:30 PM		
Session Title:	Fuzzy Logi	ic and Neural Network		
D1A1 - 1	1027	Humanlike Robotic Vision System Using Artificial Neural Network Kazi Abu Zubair, Subha Singha, Sabrina Alam and Kazi Tanvir Ahmmed		
D1A1 - 2	1047	Classification and pattern recognition algorithms applied to E-Nose Md. Mizanur Rahman, Chalie Charoenlarpnopparut and Prapun Suksompong		
D1A1 - 3	1070	Multi Objective Non-dominated Sorting Genetic Algorithm (NSGA-II) for Optimizing Fuzzy Rule Base System Mehnuma Tabassum Omar, Monika Gope, Ariful Islam Khandaker and Pintu Chandra Shill		
D1A1 - 4	1071	A Multi-Objective Genetic Algorithm with Fuzzy Relational Clustering for Automatic Data Clustering Animesh Kundu, Animesh Kumar Paul, Pintu Chandra Shill and Kazuyuki Murase		
Т	Technical Session : Day 1 – Parallel Session A (D1A2) 10 December 2015			
Venue : CSE	301	Time: 2:30 PM – 3:30 PM		
Session Title:	Soft Error	and Image Processing		
D1A2 - 1	1055	Soft Error Tolerance Using Horizontal-Vertical-Diagonal-Blocks Md. Shamimur Rahman, Sakib Ahammed and Mohammad Sheikh Sadi		
D1A2 - 2	1056	Towards Tolerating Soft Errors in Memory ApplicationsMuhammad Sheikh Sadi, Musaddique BillahTalha, SwadinGolam Mezbah Uddin and Kazi Md. Bodrul Kabir		
D1A2 - 3	1076	Orchestration Algorithms for Network-assisted Virtual Machine Migrations using Open Day Light Controller Shamim Ahmed, Barbara Martini, Molka Gharbaoui, Andrea Sgambelluri and Sk. Shariful Alam		

D1A2 - 4	2014	Automatic Detection of Optic Disc in Fundus Images by Curve Operator M. Nahid Reza and Mohiuddin Ahmad
D1A2 - 5	2025	Role of Clinical Engineering to Reduce Patient Risk Factors in Life Support Ventilator Md. Anwar Hossain, A. K. M. Rahman, Md. Rezanur Rahman, Md. Rafiqul Islam and Mohiuddin Ahmad
Т	echnical	Session : Day 1 – Parallel Session A (D1A3) 10 December 2015
Venue : ECE	219	Time: 2:30 PM – 3:30 PM
Session Title:	<b>Bio Signals</b>	Classification and Detection
D1A3 - 1	2004	Computing a Longest Common Subsequence for Multiple Sequences Chinmay Bepery, Sk. Abdullah-Al-Mamun and M. Sohel Rahman
D1A3 - 2	2017	An Approach to Estimate Cognitive State with the Impact of Listening Music on Brain Activity Monira Islam, Mohiuddin Ahmad and Md. Salah Uddin Yusuf
D1A3 - 3	2019	Effects of Elevated Sleeping Postures on Cardiac Functions Analyzing Electrical Bio-impedance and Skin Blood Perfusion Shabaz Khan, Md. Bashir Uddin and Mohiuddin Ahmad
D1A3 - 4	2040	Automatic Sleep Stage Classification Ahnaf Rashik Hassan and Mohammed Imamul Hassan Bhuiyan
Т	echnical	Session : Day 1 – Parallel Session A (D1A4) 10 December 2015
Venue : IEM	214	Time: 2:30 PM – 3:30 PM
Session Title:		
D1A4 - 1	4013	Free-Space Optical Communication with m-ary Pulse Position Modulation under Strong Turbulence with Different Type of Receivers Md. Athaharul Islam, Ashraful Bari Chowdhury and Bobby Barua
D1A4 - 2	4025	Implementation of a 1x16 Router Using 2x2 Mach-Zehnder Interferometer Electro-Optic Switch Rabeya Khatun, Raqibul Hossen and Kazi Tanvir Ahmmed

## (10-12 December 2015, KUET, Khulna, Bangladesh)

D1A4 - 3	4036	Orientation Dependent Performance of 635nm Vertical Cavity Surface Emitting QW Red Laser Muhammad Mainul Islam, Md. Shamim Sarker, Md. Mahbub Hasan and Md. Rafiqul Islam Modeling of Highly Birefringent Dispersion Compensating Circular
		Photonic Crystal Fiber Umme Ayesha Siddika and M. Shaifur Rahman
D1A4 - 5	4085	Design & Simulation of Ultra-Flattened Dispersion Large Mode Area and Low Splice Loss Photonic Crystal Fiber Md. Rakib Hasan and Md. Selim Hossain
Т	echnical	Session : Day 1 – Parallel Session B (D1B1) 10 December 2015
Venue : CSE		Time: 4:15 PM – 5:00 PM
Session Title:	-	
D1B1 - 1	6023	Simulation and Analysis of Battery Performance of a Solar Car Using a Model Implemented in SIMULINK Abdullah Al Mahmud, Asif Zaman, Imran Bin Jafar and Mosaddequr Rahman
D1B1- 2	6043	Investigation of THD on a 12-Pulse HVDC Transmission Network and Mitigation of Harmonic Currents Using Passive Filters Sanjib Kumar Nandi, Md. Siddikur Rahman and Ridown Rashid Riadh
D1B1 - 3	6057	Damping of Power System Oscillations using STATCOM Mehedi Hassan and N. K. Roy
Т	echnical	Session : Day 1 – Parallel Session B (D1B2) 10 December 2015
Venue : CSE	301	Time: 4:15 PM – 5:00 PM
Session Title:	Power Dist	ribution
D1B2 - 1	6034	Replacing Diesel Irrigation Pumps with Solar Photovoltaic Pumps for Sustainable Irrigation in Bangladesh: A Feasibility Study with HOMER Md. Nazmul Islam Sarkar, Anwarul Islam Sifat, Nazmul Rahim and S. M. Shamim Reza

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D1B2 - 2	6035	Cost Analysis of Rural Distribution Systems with Three Phase and Single Phase Tap Line Sanjib Kumar Roy and Naruttam Kumar Roy
D1B2 - 3	6044	Harmonic Analysis on LVDC Distribution System and Passive Filter Techniques for Harmonic Reduction Sanjib Kumar Nandi, Md. Siddikur Rahman and Ridown Rashid Riadh
Т	echnical	Session : Day 1 – Parallel Session B (D1B3) 10 December 2015
Venue : ECE	219	Time: 4:15 PM – 5:00 PM
Session Title:	Natural La	nguage Processing and Software Engineering
D1B3 - 1	7005	Automatic Gender Identification System for Bengali Speech Md. Shahriar Rahman, Md. Fasihul Kabir, Khandaker Abdullah-Al- Mamun and Mohammad Nurul Huda
D1B3 - 2	7019	Enhancing Software Development Process Using Automated Adaptation of Object Ensembles Md Emran, Humaun Kabir, Ziaur Rahman and Nazrul Islam
D1B3 - 3	7028	An Experimental Study Of Stylogenetics in Bangla Literature Prapti Das and Rishmita Tasmim
D1B3 - 4	7029	Designing an Empirical Framework to Measure the Level of Interest of Human Mizanur Rahman, Minaski Debnath, Shyla Sarmin, Safayet Arefin, Lamia Alam, Mohammed Moshiul Hoque
D1B3 -4	1064	A Rule Based Approach for NLP Based Query Processing Tanzim Mahmud, K. M. Azharul Hasan, Mahtab Ahmed and Thwoi Hla Ching Chak
Т	echnical	Session : Day 1 – Parallel Session B (D1B4) 10 December 2015
Venue : IEM	214	Time: 4:15 PM – 5:00 PM
Session Title:	Semicondu	ctor and Devices
D1B4 - 1	5012	Analysis of Carrier Injection and Recombination in Modified ITO Based Organic Light Emitting Diode Using Numerical Simulation Riku Chowdhury, Rashedul Haq, Sukanta Paul and Sarwar Uddin

		C C
D1B4 - 2	5018	Study on Crystal Orientation-dependent Effective mass in III-V Semiconductors Sourav Roy, Utpal Bhowmik, Md. Mahbub Hasan and Md. Rafiqul Islam
D1B4 - 3	5027	Study of the Variation of Resistivity, Permeability and Curie Temperature of Rare Earth Metal Yttrium (Y) Substitution on Ni $0.60$ Zn $0.40$ -xYx Fe <sub>2</sub> O <sub>4</sub> (x=0.05, 0.10, 0.15) Ferrites Md. Alamgir Hossain, Md. Nazrul Islam Khan and Shibendra Shekher Sikder
Т	'echnica	l Session : Day 2 – Parallel Session C (D2C1) 11 December 2015
Venue : CSE	302	Time:8:45 AM – 9:45 AM
Session Title	-	
D2C1 - 1	7015	A Support Vector Regression model for forecasting rainfall Nasimul Hasan, Nayan Chandra Nath and Risul Islam Rasel
D2C1 - 2	7021	A Modified Fuzzy Relational Clustering Approach For Sentence-Level Text Sikder Tahsin, Al-Amin, Mahade Hasan and M. M. A. Hashem
D2C1 - 3	7022	Performance Analysis for Detection of Breast Cancer Biomarker HER2 using a Double Gate FET Nano Biosensor Mohsin Sajjad and Md. Raqibul Hasan
D2C1 - 4	7024	Helping Software Developers through Offline Repository Based API Searching in Data Mining Integrated Environment Md. Ratul Uddin Ashraf, Anujoy Das, Ziaur Rahman and Ali Newaz Bahar
		l Session : Day 2 – Parallel Session C (D2C2) 11 December 2015
Venue : CSE		Time:8:45 AM – 9:45 AM
		e in Communication Engineering
D2C2 - 1	5005	Graphene nanoribbon based Antenna For Terahertz Band Communication Sakib Adnan and Md. Osman Goni

D2C2 - 2	5020	Modeling of Crosstalk Induced Overshoot/Undershoot Effects in	
		Multilayer Graphene Nanoribbon Interconnects	
		Manodipan Sahoo and Hafizur Rahaman	

## **Conference Program**

D2C2 - 3	5025	Modeling and Performance Analysis of Multilayer Zigzag Graphene Nanoribbon (zz-MLGNR) Interconnect for VLSI Application Monjurul Feeroz Meem and Abdullah Saki
D2C2 - 4	5028	Large Signal Performance of Graphene-FET Considering Contact Resistance Md. Ashkarul Haque Shojib, Md. Rasidul Islam Rony, Md Nur Kutubul Alam Jhilam and Md. Rafiqul Islam
D2C2 - 5	5029	Efficient design of thermal mangement by graphene heat spreader in embedded system S.M. Rafi-Ul-Islam and Samia Subrina
Т	<b>echnica</b>	al Session : Day 2 – Parallel Session C (D2C3) 11 December 2015
Venue : ECE		Time:8:45 AM – 9:45 AM
Session Title	1	
D2C3 - 1	2005	A Novel Efficient Approach for Designing FIR Low-pass Filter and Its Application Hrishi Rakshit and Muhammad Ahsan Ullah
D2C3 - 2	2018	A Simple and Improved Eye Movement Features Detection Process from Saccadic Samples of Electrooculographic Data Md. Shazzad Hossain,Kristie Huda, Sourav Roy, Md. Masud Rana and Mohiuddin Ahmad
D2C3 - 3	2037	Development of Low Cost Wireless Biosignal Acquisition System for ECG EMG and EOG Md. Asif Ahamed, Md. Asraf-Ul- Ahad, Md. Hanif Ali Sohag and Mohiuddin Ahmad
D2C3 - 4	2038	An Approach to Convert Conventional Screen into Touch Screen Using Image Processing Md. Hanif Ali Sohag, Mst. Mahmuda Khatun and Mohiuddin Ahmad
D2C3 - 5	2039	A new sample preparation technique for linear dilution gradient with minimal sample utilization and waste generation in DMFBs Pranab Roy, Khokan Mondal,Mayuri Kundu and Hafizur Rahaman

Т	echnica	al Session : Day 2 – Parallel Session C (D2C4)
		11 December 2015
Venue : IEM		Time:8:45 AM – 9:45 AM
Session Title	: Wireless	Communication System
D2C4 – 1	4023	Evidence Theory-Based Cooperative Spectrum Sensing in Multi Antenna Cognitive Radio System Md. Tahidul Islam, Muhammad Sajjad Khan and Insoo Koo
D2C4 - 2	4032	PAPR Reduction of OFDM System Using Condex Matrix Based SLM Method with Low Computational Overhead Md. Moshiur Rahman, Muhammad Sajjadur Rahim, Md. Nur-Al-Safa Bhuiyan and Sabbir Ahmed
D2C4 - 3	4060	Design and Evaluation of a Novel UWB Wearable Textile Antenna for Body Area Network Kawshik Shikder and Farhadur Arifin
D2C4 - 4	4070	A Comparative analysis of the characterization methods for submicron silicon wave guide propagation loss Mohammad Istiaque Reja, Jobaida Akhtar, Md. Jahedul Isalm, Muhammad Nouman Malik, Md Asif Iqbal, Shamim Ahmed
Т	'echnica	al Session : Day 2 – Parallel Session D (D2D1) 11 December 2015
Venue : CSE	302	Time: 11:30 AM – 12:30 PM
		ductor and Solar Cells
D2D1 - 1	5010	Optimization of Indium Gallium Nitride Quantum Dots for Absorbing Light from Solar Spectra Sadia Sultana and Md. Shah Alam
D2D1 - 2	5017	Study on the Prospects of Sb <sub>2</sub> Te <sub>3</sub> Back Surface Field in ZnCdS/ZnCdTe Thin Film Solar Cell Md. Muin Uddin, Md. Sharafat Hossain and Nowshad Amin
D2D1 - 3	5030	Analytical Approach of J-V Characteristics of CdTe Based Thin Film Solar Cells Including Voltage and Space Dependent Electric Field in the Absorber Layer Protik Biswas, Abdullah Sakib Hasan, Ashiq Been Rahim, Aman Ullah and Md. Iqbal Bahar Chowdhury

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D2D1 - 4	5031	Effect of Dislocation Density on the Performance of InGaN-Based MJ Solar Cell:Analytical Approach Ibne Sabid, Md. Soyaeb Hasan, Md. Fahim-Al-Fattah, Ibrahim Mustafa Mehedi and Md. Rafiqul Islam
D2D1 - 5	5035	Effects of Photon Recycling on the Properties of p+ n GaAs Solar Cell Sadi Mohammad, Injammaul Islam Chowdhury, Md. Sherajul Islam and Ashraful Ghani Bhuiyan
Т	<b>echnic</b> a	al Session : Day 2 – Parallel Session D (D2D2) 11 December 2015
Venue : CSE	301	Time: 11:30 AM – 12:30 PM
		ble Energy - I
D2D2 - 1	6031	Efficient PV Array Modelling by Analyzing PV System (cell/module/array) Based on MATLAB Abu Naim Rakib Ahmed, Khalid Nowaz, Jarin Tasnim and Nashrah Afroze
D2D2 – 2	6045	An Accurate and Efficient Solar Tracking System using Image Processing and LDR Sensor Md. Hanif Ali Sohag, Md. Mahmudul Hasan, Mst. Mahmuda Khatun and Mohiuddin Ahmad
D2D2 – 3	6046	Effects of Different Solar Radiation on the Efficiency of GaInP2/GaAs/Ge based multi junction solar cell Syed Nazmus Sakib, Syeda Puspita Mouri, Zannatul Ferdous, Abu Kowsar and M.Shamim Kaiser
D2D2 - 4	6055	Renewable Energy Based Hybrid Power System: the Best Way to Keep the World Pollution Free from GHG Md. Nurunnabi and N. K. Roy
Т	<b>echnic</b> a	al Session : Day 2 – Parallel Session D (D2D3) 11 December 2015
Venue : ECE		Time: 11:30 AM – 12:30 PM
		er Network and Communication Engineering
D2D3 - 1	1062	GSM and GPS Based Intelligent Method to Track Movement and Detect Collision and Rollover of Wheelchairs Hasan Uz Zaman, Anika Zaman, A S M Faruk Abdullah and Tamina Islam Khan

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## **Conference Program**

D2D3 - 2	1043	A Low Hop Distance Hierarchical Interconnection Network Muhammad Hafiz Sohaini, M.M. Hafizur Rahman, Rizal Mohd Nor, Tengku Mohd Tengku Sembok, M. A. H. Akhand and Yasushi Inoguchi
D2D3 - 3	1017	A Survey on Interconnect Encoding for Reducing Power Consumption, Delay and Crosstalk Sujan Kumar Saha, Bulbul Ahmed and Jiangjiang Liu
D2D3 - 4	1072	Modified Bus Invert Encoding to Reduce Capacitive Crosstalk Power and Inductive Noise Bulbul Ahmed, Sujan Kumar Saha and Jiangjiang Liu

# Technical Session : Day 2 – Parallel Session D (D2D4)

11 December 2015			
Venue : IEM	214	Time: 11:30 AM – 12:30 PM	
Session Title	: VLSI De	sign, Instrumentation and Measurements	
D2B4 - 1	3033	Analysis of Common-Mode Rejection Ratio of a CMOS Differential	
		Amplifier Considering All the Non-idealities	
		Madiha Amina, Protik Biswas, Aman Ullah and Md. Iqbal Bahar	
		Chowdhury	
D2B4 - 2	3034	Implementation and Evaluation of an Efficient Clock Distribution	
		Network For Deep-Submicron Technology	
		Md. Abdur Rahman, Md. Mamunur Rahman and Farhadur Arifin	
D2B4 - 3	3037	Microcontroller Based Self Sustaining Automatic Traffic Light Control	
D2D1 3	5057	Using Speed Breaker	
		Tawhida Akand, Sadeka Sultana, Jahedul Islam and Mrinmoy Dey	
D2B4 - 4	3039	Password Protected Multiuser Wireless Electronic Noticing System by	
		GSM with Robust Algorithm	
		Sayidul Morsalin, Md Abdur Rahman, Md Abu Bakar Siddiqe, Prattay	
		Saha and Md. Reduanul Halim	
Γ	<b>echnica</b>	al Session : Day 2 – Parallel Session E (D2E1)	
11 December 2015			
Venue : CSE 302 Time:2:30 PM – 3:30 PM			
Session Title : Database and Natural Language Processing			
D2E1 - 1	1074	Efficient Index Computation for Array Based Structured Data	
		Md Abu Hanif Shaikh, Mehnuma Tabassum Omar and K.M. Azharul	
		Hasan	

## **Conference Program**

D2E1 - 2	7033	BQAS: A Bilingual Question Answering System Sanjidul Hoque, Mohammad Shamsul Arefin and Mohammad Moshiul Hoque		
D2E1 - 2	2023	A Novel Dual Purpose Spatial Domain Algorithm for Digital Image Watermarking and Cryptography Using Extended Hamming Code Sudip Ghosh, Sayandip De, Santi P Maity and Hafizur Rahaman		
D2E1 - 4	1042	EaChOff: Chunk Offset Compression Scheme for High Dimensional Data based on Extendible Multidimensional Array K. M. Azharul Hasan and Md. Rakibul Islam		
Т	<b>Technical Session : Day 2 – Parallel Session E (D2E2)</b> 11 December 2015			
Venue : CSE	301	Time: 2:30 PM – 3:30 PM		
Session Title	: Electro I	Magnetic Structure and Filter Design		
D2E2 - 1	4009	Design of O-PCF structure for sensing applications with high relative sensitivity Kawsar Ahmed, Sayed Asaduzzaman, Md. Faizul Huq Arif and Monir Morshed		
D2E2 - 2	4020	Security in Cooperative Spatial Multiplexing System with Zero-Forcing Filtering Dilip Kumar Sarker, Md. Zahurul Islam Sarkar and Md. Shamim Anower		
D2E2 - 3	4063	Observation of Low-pass Performance from Novel Trapizoidal Slotted Dumbbell Shape EBGS S. M. Shakil Hassan, Md. Nurunnabi Mollah and Khandkar Raihan Hossain		
D2E2 - 4	4078	Microstrip Asymmetric Couple-Line Bandpass Filter Design With Great Matching, Low Insertion Loss and Enhanced Passband Shakhawat Parvez, Nazmus Sakib and Md. Nurrannabi Mollah		
D2E2 - 5	4080	Low Insertion Loss, High Selectivity and Very Wide Stopband Microstrip Low Pass Filters Shakhawat Parvez, Nazmus Sakib and Md. Nurrannabi Mollah		
<b>Technical Session : Day 2 – Parallel Session E (D2E3)</b> 11 December 2015				
Venue : ECE		Time: 2:30 PM – 3:30 PM		
Session Title	: Antenna	Engineering		

D2E3 - 1	4045	Wideband Planar Monopole Antenna for LTE, GSM, Bluetooth, WiMAX,
		DCS, PCS, and GPS Mobile Terminals.
		Md. Rahinur Rahman, Sumyea Sabrin, Khaled Mahbub Morshed and Md.
		Mostafizur Rahman
D2E3 - 2	4061	Effective Modeling of Microstrip Patch Antenna with Circular EBG
		Structure
		Md. Anwarul Quader, Minar Ashiq Tishan and Md. Masud Rana
D2E3 - 3	4071	Effect of Complementary Triangular Split Ring Resonator on Microstrip
		Patch Antenna Surranda Day, Suyadash Daddar and Md. Abdus Samad
		Sunanda Roy, Swadesh Poddar and Md. Abdus Samad
D2E3 - 4	4074	A High-Gain Slot-Loaded Microstrip Patch Antenna Fed by a Half-Width
		Microstrip Line for 5.5 and 5.8 GHz Wi-Fi/WiMAX Applications
		Debabrata KumarKarmokar, Khaled Mahbub Morshed, Md. Selim Hossain and Md. Nurunnabi Mollah
D2E3 - 5	4076	Aluminum Nitride based Wideband Patch Antenna for Multiband
		Wireless Applications
		Swadesh Poddar, Sourav Roy, Sunanda Roy and Md. Tanvir Hasan
Т	echnica	al Session : Day 2 – Parallel Session E (D2E4)
		11 December 2015
Venue : IEM		Time: 2:30 PM – 3:30 PM
D2E4 - 1	: Cloud C 1036	omputing and Assistive Technology
D2E4 - 1	1030	Optimal Task Scheduling in Cloud Computing Environment: Meta Heuristic Approaches
		Tripti Mandal and Sriyankar Acharyya
D2E4 – 2	1051	A Novel Trust Measurement System for Cloud-based Marketplace
		Sudipta Singha Roy, Tamjid Haque Sarker and M. M. A. Hashem
D2E4 – 3	1007	3rd Hand: A Device to Support Elderly and Disabled Person
		Ummay Habiba, Shiuly Barua, Faisal Ahmed, Golap Kanti Dey and Kazi
		Tanvir Ahmmed
D2E4 - 4	1015	Assisted Vehicle Driving Embedded with Autonomous Security System
		Nur Mohammad, Md. Kausar Hamid Miji and Prodipto Chowdhury
		Nur Mohammad, Md. Kausar Hamid Miji and Prodipto Chowdhury

J	<b>Cechnic</b>	al Session : Day 2 – Parallel Session F (D2F1)		
		11 December 2015		
Venue : CSE	302	Time: 4:15 PM – 5:00 PM		
Session Title	: Smart g	rid and Distributed generation		
D2F1 - 1	6006	Studying the Impacts of Cyber-attacks on Smart Grid Tanzim Meraj, Shaela Sharmin and Asif Mahmud		
D2F1 -2	6030	Power Distribution Scheme Using Smart Meter, Perspective Bangladesh Md. Noor Hossain, Jannatul Ferdous, K. M. Ahsanuzzaman, Farhan Fuad and Abdul Wahed		
D2F1 - 3	6053	Multi-agent System Modeling for managing limited distributed generation of Microgrid Mirajul Islam, Abu Md. Safiul Alam and Choton Kanti Das		
ſ	<b>Technical Session : Day 2 – Parallel Session F (D2F2)</b> 11 December 2015			
Venue : CSE	301	Time: 4:15 PM – 5:00 PM		
		le Energy – II		
D2F2 - 1	6016	Production of Transportation fuel from Municipal Solid waste Md. Alauddin, Shimul Barua, Md. Abdul Mannan Akanda, A.K.M. Enamul Hoque, and Md. Jiyaul Kabir		
D2F2 - 2	6025	Enhancement of Device Performance with Optimized Absorber Layer in CIGS Solar Cell Sharmin Aktar Chowdhury and Md. Shah Alam		
D2F2 - 3	6029	A New Prediction Model for Solar Irradiance using Ant Colony Optimization and Neural Network Md. Shahid Iqbal, Md. Monirul Kabir, Md. Imran Hassan, Md. Janibul Alam Soeb, Md. Ataullah Mishkat and Vobes Ray		
Т	<b>Technical Session : Day 2 – Parallel Session F (D2F3)</b> 11 December 2015			
Venue : ECE	219	Time: 4:15 PM – 5:00 PM		
Session Title	: Power E	lectronics and Machine Drives		
D1A3 - 1	3008	Mitigation of Thermally Induced Crosstalk Noise by Dynamically Adjusting Driver Strength Md Mustafizur Rahman, Pankaj Bhowmik and Selahattin Sayil		
D1A3 - 2	3014	Implementation of Multiple Renewable Sources Using Multi Input Dual Output DC-DC Boost Converter for Hybrid Electric Vehicle Tanvir Ahmed, Md Aminul Hoque, Md. Abid Hossain, Tushar Kumar		

		Kha, S.M Hasanuzzaman and Tafikul Islam
D1A3 - 3	3030	Artifical Nerual Network based Soft-Starter for Induction Motor Sharith Dhar, Tuton Mallick and Jubaer Khan
]	<b>Fechnic</b>	al Session : Day 2 – Parallel Session F (D2F4) 11 December 2015
Venue : IEM		Time: 4:15 PM – 5:00 PM
	-	ne Characteristics and Technologies
D2F4 - 1	5019	Realistic Edge Shape Effects on the Vibrational Properties of Graphene Nanoribbons Md. Sherajul Islam, Ashraful Ghani Bhuiyan and Akihiro Hashimoto
D2F4 - 2	5021	Analytical Drain Current Model for Graphene Metal-Oxide semiconductor Field-Effect Transistor Sudipta Bardhan, Manodipan Sahoo and Hafizur Rahaman
D2F4- 3	5024	An Approach to Determine Bandgap Energy in Graphene under Shear Strain Condition Md. Delwar Hossain, Abu Bucker Siddik, Md.Shamim Sarker, Muhammad Mainul Islam and Md. Rafiqul Islam
Г	<b>Technica</b>	al Session : Day 3 – Parallel Session G (D3G1) 12 December 2015
Venue : CSE	302	Time: 9:00 AM – 10:00 AM
Session Title	:Features	Extraction from Biosignals
D3G1 - 1	2016	Alpha Band Dependency of EEG Signal on Different Stimulation of Brain for Human Computer Interaction Md. Kamrul Hasan, Nahid Al Mahmud, Md. Shazzad Hossain, Mohiuddin Ahmad
D3G1 - 2	2030	A Mathematical Approach to Determine the Work-done from EMG Analysis Farzana Khanam and Mohiuddin Ahmad
D3G1 - 3	2031	Continuous Heart Rate and Body Temperature Monitoring System using Arduino UNO and Android Device Md. Asaduzzaman Miah, Mir Hussain Kabir, Md. Siddiqur Rahman
		Tanveer and M. A. H. Akhand

		M. Mahmudur Rahman		
D3G1 - 5	2013	Independent Component Analysis for EOG artifacts minimization of EEG signals using kurtosis as a threshold Kazi Aminul Islam and Gleb V. Tcheslavski		
Т	<b>echnica</b>	al Session : Day 3 – Parallel Session G (D3G2) 12 December 2015		
Venue : CSE	301	Time: 9:00 AM – 10:00 AM		
Session Title	: Commu	nication Technology		
D3G2 - 1	4019	A New Mu-Negative Metamaterial Sikder Sunbeam Islam, Mohammad Rashed Iqbal Faruque, Rezaul Azim and Mohammad Tariqul Islam		
D3G2 - 2	4024	A Metamaterial Based Triangular Cloak Sikder Sunbeam Islam, Mohammad Rashed Iqbal Faruque, Mohammad, Tariqul Islam and Rezaul Azim		
D3G2 - 3	4031	Enhanced Wi-Fi Direct Power Saving with Power Control for the Mobile Phone Nam Gon Kim, Hyun Hak Cho, Chang Min Eun and Ok Hyun Jeong		
D3G2 - 4	4033	Energy-Efficient Cellular Communications Powered by Smart Grid Technology Imtiaz Nasim, Mostafa Zaman Chowdhury and Md. Syadus Sefat		
Т	Technical Session : Day 3 – Parallel Session G (D3G3) 12 December 2015			
Venue : ECE	219	Time: 9:00 AM – 10:00 AM		
		ation and Evolutionary Computation		
D3G3 - 1	1077	Solving Capacitated Vehicle Routing Problem with Route Optimization using Swarm Intelligence M. A. H. Akhand, Zahrul Jannat, Tanzima Diba and Al-Mahmud		
D3G3 - 2	1032	Optimizing Preprocessing Method of Recursive-BKZ Lattice Reduction Algorithm Md. Mokammel Haque and Josef Pieprzyk		

D3G3 - 4	1039	Longest Common Subsequence using Chemical Reaction Optimization Zarrin Tasnim Asha, Rezoana Ahmed and Md. Rafiqul Islam		
D3G3 - 5	1054	Toward Number Recognition System : A Non-stationary Signal Analyzing Approach through SVM Algorithm Debarati Nath and Mohiuddin Ahmad		
Т	<b>Technical Session : Day 3 – Parallel Session G (D3G4)</b> 12 December 2015			
Venue : IEM	214	Time: 9:00 AM – 10:00 AM		
Session Title	: Wireless	Networks		
D3G4 -1	4016	Performance Analysis of Large Scale ZigBee Network Design Through Geometric Structure MD. Jaminul Haque Biddut, Nazrul Islam, Mehedy Hasan, Rafsan Jany and Asma Islam Swapna		
D3G4 -2	4047	On the Architectures of RF Based Underwater Wireless Sensor Networks for Intruder Detection Musbiha Binte Wali and Md. Farhad Hossain		
D3G4 - 3	4064	Receiver Initiated Multi-channel Medium Access Control Protocol for Cognitive Radio Network Amran Hossain, Sahelee Sultana and Md. Obaidur Rahman		
D3G44	4069	Opportunistic System Approach for Capacity Enhanement and Congestion Mitigation in Advanced Wireless Networks Kazi Nawshad Azam and Mostafa Zaman Chowdhury		
D3G4 - 5	4087	Outage Capacity Analysis of Cluster-based Forwarding Scheme for Body Area Network using Nano-electromagnetic Communication Fariha Afsana, Muhammad R Ahmed, Shamim Al Mamun and M. Shamim Kaiser		