REGISTRATION

9:30 a.m. to 10:30 a.m.
Place: Mini Auditorium Lobby
HI-TEA
10:30 a.m. to 11:00 a.m.
Place: VIP Room Mini Auditorium

INAUGURAL SESSION
11:00 a.m. to 1:00 p.m.
Place: Mini Auditorium

Sl. NO.	Details	Duration
1.	Inaugural Speech and Introduction by Prof. Sanghamitra Poddar	11:00 a.m. to 11:10 a.m.
2.	Welcome address by Prof. K.K.Ghosh	11:10 a.m to 11:20 a.m.
3.	About the Institute by Prof. Satyajit Chakrabarti	11:20 a.m. to 11:30 a.m.
4.	Speech by Honorable Minister In Charge of Technical Education and Training, the Minister for Science and Technology and the Minister for Biotechnology in the Govt. Of West Bengal, Dr. Rabiranjan Chattopadhyay.	11:30 a.m to 11:45 a.m.
5.	Speech by Vice Chancellor of B.E.S.U., Prof. Dr. Ajay Ray	11:45 a.m to 12:00 p.m
6.	Speech by Vice Chancellor of J.U., Prof. Dr. P. N. Ghosh.	12:00 p.m to 12:05 p.m
7.	Speech by Vice Chancellor of W.B.S.U., Prof. Dr. A. R. Thakur	12:05 p.m to 12:10 p.m
8.	Speech by Vice Chancellor of C.U., Prof. Dr. Suranjan Das.	12:10 p.m to 12:15 p.m
9.	Speech by French Consul General, Mr. J. L. Rysto	12:15 p.m to 12:20 p.m
10.	Speech by Senior General Manager, Lodge Cottrell, D. Han.	12:20 p.m to 12:25 p.m
11.	Speech by chairman, IEEE Calcutta section, Prof. Dr. Sivaji Chakraborty.	12:25 p.m to 12:30 p.m
12.	Speech by Sr. Consultant, T.C.S., Mr. Kushal Banerjee,	12:30 p.m to 12:35 p.m
13.	Keynote Speech by Director,IEM , Prof. Dr. Satyajit Chakrabati,	12:35 p.m to 12:50 p.m
14.	Vote of thanks by patron of the conference, Prof. Dr. B.B. Ghosh.	12:50 p.m to 1:00 p.m

LUNCH

1:00 p.m. to 2:00 p.m.
Place: Seminar Hall Lounge

TECHNICAL SESSION - 1

Name of the Session : MEDICAL ELECTRONICS

Date : 17th January,2012

Hall Name : GURUKUL   Time : 02:00 - 03:45 p.m.

Chairman : Prof. Monisha Chakraborty

Co-Chairman : Prof. Kamal Kanti Ghosh

Rapporter : Prof. Arunava Mukherjee

Paper ID	Paper Title	Authors
1	Total Quality Management in Health Sector	Abhijit Chakraborty,Sudip Kumar Deb and Ranjan Bhattacharya
24	Extraction of ECG Fiducial Points Using Discret Wavelet Transform	Swati Banerjee and Madhuchhanda Mitra
25	Digital Filtering of Amino Acid Sequence For Prediction of Cancer Cell	Suman Saha and Soma Barmanmandal
30	Detection Of Myocardial Infarction by Fourier Co-Efficient Analysis of ECG	Deboleena Sadhukhan and Madhuchhanda Mitra
60	A Comparative Study on the Accuracy of ECG Detection for Arrythmia By Different Wavelet Families	Anandarup Mukherjee, Sanjukta Chatterjee, Kajari Chattopadhyay, K K Ghosh

TECHNICAL SESSION - 2

Name of the Session : COMPUTER COMMUNICATION & SYSTEMS

Date : 17th January,2012

Hall Name : ASHRAM   Time : 02:00 - 03:45 p.m.

Chairman : Prof. Anup Kumar Bandyopadhyay

Co-Chairman : Prof.S.Chakrabarti

Rapporter : Prof. Sukanya Mukherjee

Paper ID	Paper Title	Authors
5	Processing Delay Analysis of MLFFA based on Queuing Model	Boudhayan Bhattacharya,Sharmistha Bhattacharjee and Dwijesh Dutta Majumder
37	Speech De-noising by Adaptive Filter and Wavelet Transform	Abhinaba Banerjee and Dulal Mandal
49	Fear and Risk Issues In Cloud Computing	Sarasij Majumdar, Hemanta Dey, Soumen Santra and Rakhi Bhattacharjee
64	Design and Implementation of Real Time AES-128 on Real Time Operating System for Multiple FPGA Communication	Rourab Paul, Sangeet Saha, Suman Sau, Amlan Chakrabarti

TECHNICAL SESSION - 3

Name of the Session : PATTERN RECOGNITION IN ELECTRICAL & OPTIMAL DOMAIN

Date : 17th January,2012

Hall Name : NIRBAHA   Time : 02:00 - 03:45 p.m.

Chairman : Prof. Somnath Sarkar

Co-Chairman : Prof. P.K.Sinha Roy

Rapporter : Prof. Parna Guha Bhattacharya

Paper ID	Paper Title	Authors
23	Bidirectional Pattern Matching for DNA Sequences	Tamal Chkrabarti and Devadatta Sinha
28	PAPR Reduction of an Optically Converted Pre-coded OFDM signal by SOA	Abhirup Das Barman and Ipsita Sengupta
38	An Efficient Method For Error Correction in Digital Signal Processiing Perspective	Dr.Asok Kumar, Rupam Das and Dr. Anup Kumar Bhattacharjee Mrinmoy Sarkar
48	Reduction of Power consumption with the Incrementation of LED	Sourav Sarkar and Amitava Sengupta
50	Effect of Conduction Band Nonparabolicity on Transmission Coefficient of Double Quantum Well Tripple Barrier Structure with Parrabolic Geometry	Souvik Mukherjee, Rajit Karmakar, Arindam Biswas and Arpan Deyasi
51	An Efficient NLP Based Approach To Personalized Information Retrieval In Web Mining	Subhabrata Sengupta, Sourav Saha, Sukalyan Goswami

TECHNICAL SESSION - 4

Name of the Session : MEDICAL ELECTRONICS

Date : 17th January,2012

Hall Name : GURUKUL   Time : 04:00 - 06:00 p.m.

Chairman : Prof. Monisha Chakraborty

Co-Chairman : Prof. Kamal Kanti Ghosh

Rapporter : Prof. Arunava Mukherjee

Paper ID	Paper Title	Authors
78	Design of Tele-healthcare Interactivity:A Semi Formal Approach	Imon Banerjee, Shrutilipi Bhattacharjee
88	Electrocardiografic Data Compression Using Wavelet	Aritra Basu,Amit Shankar Sinha, Arighna Deb and Tejendra Nath Sen
80	A Mathematical Analysis Of Blood Flow Through Stenosed Arteries: A Non-Newtonian Model	B.Basu Mallik , Saktipada Nanda

TECHNICAL SESSION - 5

Name of the Session : COMPUTER COMMUNICATION & SYSTEMS

Date : 17th January,2012

Hall Name : ASHRAM   Time : 04:00 - 06:00 p.m.

Chairman : Prof. Anup Kumar Bandyopadhyay

Co-Chairman : Prof.S.Chakrabarti

Rapporter : Prof. Sukanya Mukherjee

Paper ID	Paper Title	Authors
92	Microstrip Antenna For Hispeed WLANs	Priyanarayan Misra and Debasis Mishra
95	Energy Efficient Administrator Based Secure Routing For Manet	Aniruddha Bhattacharyya, Arnab Banerjee and Dipayan Bose

TECHNICAL SESSION - 6

Name of the Session : PATTERN RECOGNITION IN ELECTRICAL & OPTICAL DOMAIN

Date : 17th January,2012

Hall Name : NIRBAHA   Time : 04:00 - 06:00 p.m.

Chairman : Prof. Somnath Sarkar

Co-Chairman : Prof. P.K.Sinha Roy

Rapporter : Prof. Sourav Saha

Paper ID	Paper Title	Authors
55	Automatic Schema Matching and Mapping	Soumi Dutta, Deepsikha Mullick and Moumita Roy
87	Key Frame Detection Using Two-Step Corner Selection	Monika Agarwal, Satyabrata Maity, Amlan Chakrabarti
90	Fiber Optics Laser Systems in Cardio Vascular Diseases	Debadyoti Ghosh, Md. Niyaz Mallick, Farha Serin Naaz, Alok Kumar Das.
99	Multi-Sensor Data Fusion Using Particle Filter to Estimate Nonlinear Recursive Bayesian Model for Object Tracking	Aninda Mondal,Moloy Kumar Chowdhury
102	Harmonics and Interharmonics Estimation Of A Passive Magnetic Fault Current Limiter Using Biorthogonal Wavelet Transform	Raju Patwary, A.B.Choudhury, D.Roy, S.Rudra

TECHNICAL SESSION - 7

Name of the Session : NEURAL & ARTIFICIAL NETWORKS

Date : 18th January,2012

Hall Name : GURUKUL   Time : 10:00 - 11:30 a.m.

Chairman : Prof. B.N.Roy

Co-Chairman : Prof. Dipak Chatterjee

Rapporter : Prof. Sourav Saha

Paper ID	Paper Title	Authors
19	Benefit Based Artificial Intelligence Regulated Stability Goverannce of a Practical Power Network	Saptarshi Bhattacharya, Rumna Kuthial, Partha Pratim Das and Sawan Sen
41	Artificial Neural Network Modeling of Instrusion Detection and Prevention System	Tanusree Chatterjee, Indraneel Mukhopadhyay and Mohuya Chakraborty
42	Intrusion Detection In Wireless Sensor Networks Using Fuzzy Logic	Moutushi Singh, Abdur Rahaman Sardar and Subir Kumar Sarkar
44	Artificial Neural Network Based Automatic Mobile Radio Signal Classifier	Swagata Roy Chaterjee, Indranil Banerjee, Soma Bhattacharyya and Mohua Chakrobory
72	Study The Nonlinear Behaviour of PFC Boost Converter	Arnab Ghosh
98	A Review of Secure Routing in Mobile ad hoc Network	Abari Bhattacharya, Himadri Nath Saha
103	Leader-Follower Formation Control Using Artificial Potential Functions	Kishorekumar H Kowdiki, Ranjit Kumar Barai, Samar M Battacharya.

TECHNICAL SESSION - 8

Name of the Session : SOCIAL ENGINEERING & SOCIAL SCIENCE

Date : 18th January,2012

Hall Name : ASHRAM   Time : 10:00 - 11:30 a.m.

Chairman : Prof. Jyoti Banerjee

Co-Chairman : Prof. Mohuya Chakraborty

Rapporter : Prof. Arighna Deb

Paper ID	Paper Title	Authors
4	"Is Emerging Green Technology Poses Threat of Trade Wars-Some Solutions?-A Survey"	Subro S. Thakur,Somasree Bhadra and Sougata Dey
14	Computational Optimization of Speed in an Unplanned Lane Traffic	Prasun Ghosal, Arijit Chakraborty and Sabyasachee Banerjee
32	PREMASA MODEL:-An Intgrated Approach to Customer Relationship Management	Debabrata Das
36	Energy Conservation In Buildings	Avijit Bandopadhyay
53	Design Of a Universal Solar Power Driven Mobile Phone Charger For Rural Areas Of India	Priyanka Roy, Swati Dey and Dr. Madhurima Chattopadhyay
79	Energy Consumption Modeling for Maintenance Cost Evaluation in RFID Inventory Tracking	Tanvi Agrawal, Pradip K Biswas, A.D.Raoot
104	Soil Fertility: Can We Estimate ? Assessment of techniques of soil fertility measurement	Ritam Sanyal, N. G. Shah

TECHNICAL SESSION - 9

Name of the Session : APPLICATION FOR "IT" IN INDUSTRY

Date : 18th January,2012

Hall Name : NIRBAHA   Time : 10:00 - 11:30 a.m.

Chairman : Prof. Tapan Kr. Chatterjee

Co-Chairman : Prof. B.B.Ghosh

Rapporter : Prof. Panchali Bhattacharya

Paper ID	Paper Title	Authors
16	Accelerating Electrical Fields in Radio Frequency Standing Wave Linacs	Vinod Babu Pusuluri and Rajat Roy
20	Mathematical Modeling of a Cylindrical Pipe Structure by Bessel Filter	Paritosh Bhattacharya, Sabyasachi Mukhopadhyay and Bankim Bihari Ghosh
22	A Study on Optimal Reactive Power Dispatch Using Artificial Bee Colony Algorithm	Tanmoy Malakar and Ashoke Kumar Sinha
27	A Novel Control Algorithm for Self Supported Dynamic Voltage Restorer	Himadri Ghosh,Pradip Kumar Saha and Goutm Kumar Panda
31	Study The Nonlinear Behaviour of PFC Boost Converter	Arnab Ghosh, Abhisek Pal, Pradip Saha and Gautam Panda
35	Control of Chaos in DC-DC Boost Converter with Non-smooth DC Supply	Subhankar Dam, Abhrajit Saha, Dr. Pradip Kumar Saha and Dr. Goutam Kumar Panda
73	Understanding some Physico-Chemical Components for Estimation of Eutrophication of an Aquatic System	Susmita Bhattacharya, Prabir Kumar Das, Dr. Phani Bhusan Ghosh
96	Two-level Secure Re-routing (TSR) in Mobile Ad Hoc Networks	Himadri Nath Saha , Dr. Debika Bhattacharyya , Dr A.K. Bandhyopadhyay, Dr. P. K. Banerjee
100	Degumming Jatropha to Make It Fit for Use As Biofuel	S.K.Das,Prabir Kumar Das, Dr. B.B.Ghosh, Dr. Satyajit Chakrabarti
101	Impact Of Bio-disel on The Transport Sector of Kolkata Megacity	S.K.Das,Prabir Kumar Das, Dr. B.B.Ghosh, Dr. Satyajit Chakrabarti

<u>TECHNICAL SESSION - 10</u>

Name of the Session : ANALOG & DIGITAL COMMUNICATION

Date : 18th January,2012

Hall Name : ASHRAM   Time : 12:00 - 01:30 p.m.

Chairman : Prof. Tapan Kumar Chatterjee

Co-Chairman : Prof. Asim Kar

Rapporter : Prof. Moumita Chakraborty

Paper ID	Paper Title	Authors
7	Performance Analysis of Transistor Level Adder Circuits by Varrying Number of Transistors and Implementing Different Logic Style of Addition	Subhadeep Nandy and Rajib Pal
15	A Binary Adaptive Differential Evolutionary Approach for Multi_User Detection in Multi_Carrier Code Division Multiple Access	Jubin Hazra and Arindam Chakraborty
21	Design Of Sequential Circuits Using Single Electron Encoded Logic	Mili Sarkar
34	Implementing Security Measurement on qa Lifetime Enhancing Routing Protocol of WSN	Avik Modak and Anuran Roychowdhury
45	A Novel Multiplexer and Demultiplexer Design and Permissable Fault Analysis Using Quantum Cellular Automata	Ratna chakroborty, Kamal Kumar Ghosh and Debashis De
58	Hairpin model of CRLH Transmission Line and Floating Slot Approch for Wide -Band Bandpass Filter	Pratik Mondal,Bhupesh Mukherjee and Susanta Kumar Parui
61	Programmable Array Logic Design Using Quantum Dot Cellular Automata	Ratna Chakrabarty,Arnab Sarkar and Debashis De

TECHNICAL SESSION - 11

Name of the Session : FINANCE & MANAGEMENT

Date : 18th January,2012

Hall Name : GURUKUL   Time : 12:00 - 01:30 p.m.

Chairman : Prof. D.K.Banwet

Co-Chairman : Prof. Rahul Gupta

Rapporter : Prof. Paramita Mukherjee

Paper ID	Paper Title	Authors
3	A Study on Common Finance Engineering in India	N.Singha Roy,S.S. Roy, S.B.Chowdhury and Dr. Subhamoy singha Roy
6	Analysing Existing Online Business Models and Suggesting an Ideally Secured and Integrated Website Layout	Reetwika Banerjee and Tamal Kanti Mukherjee
10	Fuzzy Mixed Integer Linear Programming for Air Vehicles Operations Optimization	Dr Arindam Chaudhuri, Dr Dipak Chatterjee and Ritesh Rajput
82	Cloud Computing: emphasizing its possible roles and importance in Information Systems and Centers	Prantosh Kumar Paul, Dr. Dipok Chatterjee and Bhaskar Karn
83	Information Science Education and Research	Prantosh Kumar Paul, Dr. Dipok Chatterjee and Bhaskar Karn
85	A Simple Approach of Building a Learning Managemnt System(LMS) to Expeiment with Intelligent Tutoring	Lopa Mandal, Avik Dutta, Rahul Roy and Mohit Daga
89	FIIs and Indian Stock Markets- Emeging Issues From A Literatur Review Post-2000	Ranjan Dasgupta and Sujit Dutta

TECHNICAL SESSION - 12

Name of the Session : ANTENNA & PROPAGATION

Date : 18th January,2012

Hall Name : NIRBAHA   Time : 12:00 - 01:30 p.m.

Chairman : Prof. Bhaskar Gupta

Co-Chairman : Prof. Ajoy Chakraborty

Rapporter : Prof. Asima Sarkar

Paper ID	Paper Title	Authors
26	Elliptical Zeroth Order Resonant Antenna	Sheeja K.L , P.K Sahu and S.K Behera
54	Design and Development of E-Shaped Array Antenna using Deffected Ground Structure at 5.25GHZ Band	Chandan Kumar Ghosh, Biswarup Rana and Susanata Kumar Parui
59	Hybrid Dielectric Resonator antenna with hexagonal patch for UWB applications	Kumari Padmawati, D.K.Bisoy, S.K Behera
67	Miniaturization of a Rectangular Microstrip Patch Antenna with Slots and Defected Ground Structure	Mrinmoy Chakraborty and Biswarup Rana
68	Design of a CPW-Fed Circular Shaped Slot Antenna for Wireless Application	Mrinmoy Chakraborty and Biswarup Rana
69	Non-Linear Analysis Using MATLAB and Assembly Language Programming to Investigate Possible Cause of Breakdown in power System Network	Swarnankur Ghosh,Pradip Kumar Saha,Gautam Kumar Panda
71	A 3-D Box Parity Model for Error Detection and Correction in Digital Communiucation Systems	Avisek lahiri,Manashi Chakraborty

TECHNICAL SESSION - 13

Name of the Session : SIGNAL PROCESSING & MOBILE COMMUNICATIONS

Date : 18th January,2012

Hall Name : ASHRAM   Time : 02:00 - 03:30 p.m.

Chairman : Prof. P.K.Banerjee

Co-Chairman : Prof. Debika Bhattacharyya

Rapporter : Prof. Nilanjana Dutta Roy

Paper ID	Paper Title	Authors
65	Study of Different Attacks in Manet with its Detection and Mitigation Schemes	Aniruddha Bhattacharyya, Arnab Banerjee and Dipayan Bose
66	An Inverse Cell Breathing Based Power Management for Conjested Mobile Network	Anwesha Mukherjee,Debashis De
93	An Efficient Approach for Designing High Performanance Squaring Circuit using Vedic Algorithms	Jubin Hazra, Saptrshi Mallick,Joydeep Saha and Biswajit Das
94	Voronoi Coverage in Swarm Robot Position Control: A New Approach	Paramita Mandal,Rangit Kumar Barai and Madhubanti Maitra
97	Modeling of Multirate 3-Stage Cascaded-Integrator-Comb Filter for GSM Networks and its FPGA Implementation	Saikat Dutta,Moloy Kumar Chowdhury

INVITED TALK
Place : GURUKUL

Time: 02:30-03:30 P.M.

Speaker	Topic
Prof. Chandan Sarkar	Nano-crystal Embedded MOS Nonvolatile Memory Devices

Time: 03:30-04:00 P.M.

Speaker	Topic
Prof. Kallol Bhattacharya	Applied Optics & Photonics

Time: 04:00-04:30 P.M.

Speaker	Topic
Dr. Avijit Choudhury	Healthcare Solution In Social Sector

TEA SESSION
04:30-04:45 P.M.
Place: Seminar Hall Lounge

VALEDICTORY SESSION
Time:- 04:45-05:45 P.M.
Place: GURUKUL
Welcome and Brief Summary Of the Conference by Prof. K.K. Ghosh
Valedictory Address by Prof. Ranjan Ghosh
Prize Giving Ceremony by Prof. Ranjan Ghosh
Thanks Giving by Prof. D. Chatterjee, Principal IEM.