

SI	Author (Including Co author)	Title of the Paper	Detail of Paper (Including Vol, Issue,pg no, year)	Nature of Paper	National/ International	Journal Impact Factor/ISSN No
1	Anirban Patra, Dr. A Saha	A Ssimple Approach of Watermarking of Multiple Grayscale Images using Alpha Blending	IRJET; Vol- 4, Issue 3, March 2017, pp- 302-304	Journal	International	ISSN- 2395-0056
2	Anirban Patra, Dr. A Saha, K Sneha, N Roy	Watermarking of Medical Images using Alpha Blending	IJSART; Vol- 3, Issue 10, October 2017, pp- 384-387	Journal	International	ISSN – 2395-1052
3	P. Chakraborty, S. K. Sanaul Islam, S. Barui, A. Das & B. Neogi	Mechanical Prosthetic Arm Control Adaptive Model using MIT Rule towards Global Stability	Advances in Intelligent System and Computing. Vol. 518 Chapter No. 38	Book Chapter Progress in Intelligent Computing Technique: Theory, Practice and Applications	International (Springer)	ISBN. 978-981-10-3372-8, 417761 1 EN
4	MS Nikitenko, Yu V Malakhov, Biswarup Neogi, Pritam Chakraborty, Dipesu Banerjee	Robotic complex for the development of thick steeply-inclined coal seams and ore deposits	IOP Conf Series: Earth and Environmental Science	Conference & Book Chapter	International	Sci. 84 012002
5	A Islam, D Banerjee, Z Das, M Ghosh & B Neogi	Introducing Computational Interactions for Cerebral Palsy Employees	2 <sup>nd</sup> International Conference on 2017 Devices for Integrated Circuit (DevIC) IEEE 23 <sup>rd</sup> -24 <sup>th</sup> March 2017	Conference	International	ISBN: 978-1-5090-4724-6
6	B Chakrabarti Banik, M Ghosh, A Das, D Banerjee, S Paul & B Neogi	Design of Mind-controlled Vehicle (MCV) & study of EEG signal for three mental states	2 <sup>nd</sup> International Conference on 2017 Devices for Integrated Circuit (DevIC) IEEE 23 <sup>rd</sup> -24 <sup>th</sup> March 2017	Conference	International	ISBN: 978-1-5090-4724-6
7	Moumita Ghosh, Dipesu Banerjee, Moupali Roy, Anirudha Ray, Swati Ghosh and Biswarup Neogi	D Arranged Braille Computer Display Board (ABCD): A Simulative Scholastic Approach towards Analytic Circuitry	International Journal of Computer Applications	Journal	International	(0975 – 8887)
8	Soumendu Ghosh, Abhijit Ghosh,	Design of Probe feed patch antenna with	2 <sup>nd</sup> International Conference on 2017 Devices for Integrated	Conference	International	ISBN: 978-1-5090-4725-3,

	Indranath Sarkar,	different Dielectric Constants	Circuit (DevIC) IEEE 23 <sup>rd</sup> -24 <sup>th</sup> March 2017			
9	Moumita Pal,Ranjana Ray,Neha Choudhury	Fuzzy Logic Based Optical Disc Localization And Detection Of Stereoscopic Retinal Images In Nroi	International Journal Of Engineering Sciences & Research Technology,Ijesrt, Vol:6,Issue:12, December 2017,Pg-84-93,	Journal	International	<b>ISSN: 2277-9655, Impact Factor: 4.116,</b>
10	Moumita Pal, Bikash Dey	An unique Identification using stereoscopic Retinal Image	International Journal of Science & Research,Volume 6, Issue 3	Journal	International	<b>ISSN: 2319-7064</b>
11	Arindam Banerjee, Sohini Pal, S Bhattacharyya and Debesh Das	Memristor Based MAC Architecture Design for ( $2^n - 1$ ) and $2^n$ Radix	Journal of Active and Passive Electronic Devices (Philadelphia, PA 19123 USA)	Journal	International	JAPED-DevIC-2017-7 vol. - 0, pp. 1-19....
12	Arindam Banerjee, S Bhattacharyya, and Arpan Deyasi	Fast Squaring Technique for Radix Vicinity Numbers for Radix $2^{n+m}$ with Reduced Computational Complexity	Proc. of the 3 <sup>rd</sup> Nano-electronics, Circuits and Communication Systems (NCCS - 2017), Nov 11 – 12, 2017, (Paper id – NCCS 17028), Organized by The VLSI Design Group	Conference	International	
13	Arindam Banerjee, S Bhattacharyya, and Arpan Deyasi	Synthesis of High Speed Multi-Valued ALU for $2^{n+m}$ Radix	Proc. of the 2 <sup>nd</sup> International Conference on Moco-electronics, Computing and Communication systems (MCCS - 2017), May 13 – 14, 2017, (Paper id – MCCS 17020)	Conference	International	Springer series of Lecture Notes in Electrical Engineering
14	S Bhattacharyya, Sourish Haldar and Arpan Deyasi	Effect of Surface-to-Volume Ratio on Eigenenergy in Quantum Disk in presence of Magnetic Field	Proc. of the International Conference on Electronics, Materials Engineering & Nano-Technology (IEMENTech - 2017), April 28 – 29, 2017	Conference	International	[IEEE Xplore] [ISBN: 978-1-5386-1703-8/17@IEEE]
15	Arindam Banerjee, Sohini Pal, S Bhattacharyya and Debesh Das	Memristor Based Modulo Multiplier Design For ( $2^n - 1$ ) and $2^n$ Radix	Proc. of the 2 <sup>nd</sup> International Conference on Devices for Integrated Circuits (DevIC - 2017), March 23 – 24, 2017, (Paper id – P07)			[IEEE Xplore] [Doi: 10.1109/DEVI C.2017.8073898] [ISBN: 978-1-5090-4724-6].

LIST OF PAPERS PUBLISHED in 2016

Sl	Author (Including Co- author)	Title of the Paper	Detail of Paper (including Vol., Issue, Pg. No. Year)	Nature of Paper (Journal/Conf erence/Book Chapter)	National/ International	Journal Impact No./SCI Index/ISBN No/ISSN No.
1	Anirban Patra, S Sarkar, A Ghosal	A Study on Security System of Vehicular AD HOC Network	Volume- 8, Issue- 1; January- June- 2016; Page no.- 920 - 923	Journal ; International Journal of Electrical and Electronics Engineers	International	ISSN : 2321 - 2055
2	Mrs Moumita Pal, Mr. Bikash Dey	Eigenface and PCA Based Face Recognition System.	International Journal of Advanced Research in computer science and Software Engineering , Volume 6, Issue 3, March 2016 p-814- 819	Journal	International	ISSN- 2277 128X
3	M. Ghosh, A. Ray, S. Ghosh, M. Roy, A. Ghosh, M. Das & B. Neogi	Design Aspects of Braille Display Board for Visually Disabled	International Conference on Microelectronics, Circuits & Systems (Micro 2016) pp.- 229-234, 9th – 10th July 2016.	Conference	International	ISBN: 978-93- 80813-45-5
4	P. Chakraborty, S. K. Sanaul Islam, S. Barui, A. Das & B. Neogi	Introducing MIT Rule towards Improvement of Adaptive Mechanical Prosthetic Arm Control Model	International Conference on Advanced Computing, Networking and Informatics (ICACNI 2016) 22 <sup>nd</sup> -24 <sup>th</sup> September, 2016	Conference	International	
5	Soumendu Ghosh, Partha Pratim Sarkar, Indranath Sarkar, ,	"Rectangular Patch Antenna with Grounded strip for Ultra wideband Communication"	International Journal of Current Trends in Engineering &Research (IJCTER), Volume 2 Issue 10, pp. 66 – 73, October 2016	Journal	International	IMPACT FACTOR : 3.468 BY SJIF
6	R. Sinha and A. De	Synthesis of Multiport Networks using Port Decomposition Technique and its Applications	IEEE Trans. Micro. Theory Techn., vol. 64, no. 4, pp. 1228 – 1244, Apr. 2016.	Journal	International	<b>Impact Factor: 2.284</b>  <a href="https://doi.org/10.1109/TMTT.2016.2532868">https://doi.org/ 10.1109/TMTT .2016.2532868</a>
7	R. Sinha and A. De	Correction to 'Synthesis of Multiport Networks using Port Decomposition Tech-	IEEE Trans. Micro Theory Techn., vol. 64, no. 6, pp. 1954, June 2016.	Journal	International	<b>Impact Factor: 2.284</b>  <a href="https://doi.org/10.1109/TMTT.2016.2558647">https://doi.org/ 10.1109/TMTT .2016.2558647</a>

		nique and its Applications,’				
8	R. Sinha and A. De	Theory on Matching Network in Viewpoint of Transmission Phase-Shift	IEEE Trans. Microw. Theory Techn.,vol. 64, no. 6, pp. 1704 – 1716, June 2016.	Journal	International	<b>Impact Factor: 2.284</b> <a href="https://doi.org/10.1109/TMTT.2016.2558645">https://doi.org/10.1109/TMTT.2016.2558645</a>
9	R. Sinha and A. De	Comments on ‘Design of a Microstrip Dual-Band Crossover with Asymmetrical -Shaped Transmission Lines’	IEEE Microw. Wireless Compon. Lett., vol. 26, no. 7, pp. 496 – 497, July 2016.	Journal	International	<b>Impact Factor: 1.599</b> <a href="https://doi.org/10.1109/LMW C.2016.2574827">https://doi.org/10.1109/LMW C.2016.2574827</a>
10	Gautam Lohar	Detection of Solar RF Radiation and Earth Atmospheric Electric Field: Simple Circuits	NCACERS-16 (at Narula Institute of Technology, August 2016)			
11	G. Lohar & S. Bhattacharyya	Quantization of Transmission Line Equations	REASON, A Technical Journal (accepted), KGEC, Kalyani			
12	Moumita Pal, Bikash Dey	Eigenface and PCA Based Face Recognition System , International Journal of Advanced Research in Computer Science and Software Engineering, Volume 6, Issue 3, March 2016	International Journal of Advanced Research in Computer Science and Software Engineering, Volume 6, Issue 3, March 2016	International Journal , Book Chapter	International	2227-1819
13	AnirbanPatra, Anirban Ghosal	A Study on Security System of Vehicular Ad hoc Network	”(IJEEE,Vol No.08,ISSUE 01,Jan – jun 2016	Journal	International	
14	Arindam Banerjee, S Bhattacharyya and Arpan Deyasi,	High Speed Reconfigurable ALU Design in Radix $(2^m \pm m)$	Journal of Advances in Industrial Engineering and Management, American Scientific Publishers (ASP - USA), vol. 5, no. 2, pp. 18 - 24 (2016), 1-X (Paper Id: 18)	International Journal	International	[ISSN. No: 2222-7059] [DOI:10.7508]
16	S Bhattacharyya, Sourish Halder and Arpan Deyasi	Effect of Surface-to-Volume Ratio in Eigenenergy on Quantum Ring	Proc. of the Industry Interactive Innovation in Science, Engineering & Technology (I3SET - 2016), October 25 – 26, 2016, (Paper id – P136), Organized by	International Conference	International	

			The JIS College of Engineering, Kalyani Nadia. <b>[Springer]</b>			
17	Arindam Banerjee, S Bhattacharyya and Arpan Deyasi,	High Speed Reconfigurable ALU Design for Radix	Proc. of the 1 <sup>st</sup> International Conference on VLSI Device, Circuit & System (VLSI DSE - 2016), October 19 – 20, 2016, (Paper id – P18), Jointly Organized by IEEE MSIT Student Branch, IEEE EDS, The Department Electronics & Communication Engineering, Meghnath Saha Institute of Technology, Kolkata, India, in collaboration with IEEE SSCS, Kolkata Chapter, Kolkata, India	International Conference	International	[ISSN – 2222 - 7059]
18	Sourish Haldar, Sreyansh Bhupal, Sreeparna Sen, Priyankar Sandel, and S Bhattacharyya	Hardware Efficient Analog Encryption Methodology for Digital Data Transmission	Proc. of the 6 <sup>th</sup> International Symposium on Embedded Computing & System Design (ISED - 2016), October 15 – 17, 2016, (Paper id – P99), Organized by Indian Institute of Technology, Patna. <b>[IEEE]</b>	International Symposium	International Symposium	
19	Susmita Das, Soumendu Bhattacharjee, S Bhattacharyya and Biswarup Neogi,	Study of Systematic Modeling for Cardiac and Respiratory System towards Support on Prosthesis Facets	Proc. of the IEEE International Conference on Computational Science & Engineering (ICCSE - 2016), October 04 – 06, 2016, (Paper id – P98), pp 81-86, Organized by The Department of Electronics & Communication Engineering and The Department of Computer Application, RCC Institute of Information Technology, Kolkata, India, in collaboration	International Conference	International	[ISBN – 978-1-138-02883-5]

			with IEEE Electron Device Society, Kolkata Chapter and The institute of Engineers (India) Kolkata Section. [Taylor & Francis]			
20	Sourish Haldar, Sreyansh Bhupal, Sreeparna Sen, Priyankar Sandel, Urmi Bose, S Bhattacharyya and Subham Ghosh,	Hardware Efficient Method for Arbitrary Waveform Generation	Proc. of the IEEE International Conference on Computational Science & Engineering (ICCSE - 2016), October 04 – 06, 2016, (Paper id – P3), pp 123-126, Organized by The Department of Electronics & Communication Engineering and The Department of Computer Application, RCC Institute of Information Technology, Kolkata, India, in collaboration with IEEE Electron Device Society, Kolkata Chapter and The institute of Engineers (India) Kolkata Section. [Taylor & Francis]	International Conference	International	[ISBN – 978-1-138-02883-5]
21	Sohini Pal, Arindum Banerjee and S Bhattacharyya	Optical Network Based RNS Multiplier in $(2^n-1)$ Radix System using SOA-MZI	Proc. of the National Conference on Recent Advances in Science & Technology – 2016 (NCRAS - 2016), A TEQIP - II Sponsored Conference, September 27 - 29, 2016, (OP-14), Organized by Heritage Institute of Technology, Kolkata, West Bengal, India	National Conference	National	
22	Ashraful Islam and S Bhattacharyya	Comparative Study of DSSS & FHSS and BER Analysis	Proc. of the 7 <sup>th</sup> All India Inter Engineering College Academic Meet – 2016 & innovative Model Competition For a Sustainable Society, March 13, 2016, (Paper id - E36-	National Conference	National	

			E&C-08– P301), Organised by Forum of Scientists, Engineers & Technologist (FOSET) in association with Supreme Knowledge Foundation Group of Institutions, Mankundu, Hooghly, West Bengal, India			
23	Sreyansh Bhupal, Sreeparna Sen, Priyankar Sandel, Sourish Haldar & S Bhattacharyya	A Microcontroller Based Method of Arbitrary Wave Synthesis	Proc. of the 7 <sup>th</sup> All India Inter Engineering College Academic Meet – 2016 & innovative Model Competition For a Sustainable Society, March 13, 2016, (Paper id - E52-E&C-12), Organized by Forum of Scientists, Engineers & Technologist (FOSET) in association with Supreme Knowledge Foundation Group of Institutions, Mankundu, Hooghly, West Bengal, India – <b>Received The Best Paper Award</b>	National Conference	National	
24	A. Banerjee, D. K. Das	A New Squarer Design with Reduced Area and Delay	IET Computers and Digital Techniques, February, 2016.	Journal	International	SCI(E)
25	A. Banerjee, D. K. Das	Squaring in Reversible Logic using Zero Garbage and Reduced Ancillary inputs	Int. Symp. On VLSI Design, January, 2016	Conference	International	
26	A. Banerjee, D. K. Das	A New ALU Architecture Design using Reversible Logic	Int. Symp. On Electronic Design (ISED-2016), December, 2016	Conference	International	
27	. S. Pal, A. Banerjee, S. Bhattacharyya	Optical Network Based RNS Multiplier in $(2^n - 1)$ Radix System using SOA-MZI	NCRAS-2016 at Heritage Institute of Technology	Conference	International	
28	A. Banerjee, S. Bhattacharyya, A. Deyasi	High Speed Reconfigurable ALU Design for	AIEM (American Scientific Publishers), 2016 (Journal).	Journal	International	

		Radix (2n±m)				
29	A. Ghosh , M. Ghosh, A. Ray, S. Ghosh, M. Roy , M. Das , B. Neogi	Design Aspects of Braille Display Board for Visually Disabled	3rd International Conference On Microelectronics, Circuits and Systems, July, 2016, pp. – 229 - 234	Conference	International	
30	M. Ghosh, A. Ray, S. Ghosh, M. Roy, A. Ghosh , M. Das & B. Neogi	Design Aspects of Braille Display Board for Visually Disabled	3rd Int. Conf. On Microelectronics, Circuits and Systems, July, 2016, pp. – 229 - 234	Conference	International	
	Anirban Ghosal, Sudip Chakroborty, Su chorita Maity	Biometric System Based Low Cost EVM With Instant Counting to a Central Place	ACCET 2016 Organised by MCET, 21st-22 <sup>nd</sup> October,2016	Conference	International	



LIST OF PAPERS PUBLISHED in 2015

Sl	Author (Including Co- author)	Title of the Paper	Detail of Paper (including Vol., Issue, Pg. No. Year)	Nature of Paper (Journal/Conf erence/Book Chapter)	National/ International	Journal Impact No./SCI Index/ISBN No/ISSN No.
1	Anirban Patra Dr. A Saha	RFID Based Automated Low Cost Data Acquisition System for Public Transport	Vol. No.4, Issue No.2, Feb 2015; Page No.- 240-244	Journal International Journal of Advance Research In Science And Engineering ;	International	ISSN : 2319 - 8354
2	BikashDey., Madhuchhanda Dasgupta	Development and Simulation of a Simple Clustering Algorithm for Biomedical Sensors Management Deployed For Creating Large Number of Patient Monitoring Environment.	International Journal of Computer Applications in Engineering Sciences,[vol v, issue ii, number iii],pp.16- 20,June 2015	Journal	International	ISSN: 2231- 4946
3	S. Bhattacharjee, Z. Das, B. Neogi	Design & Simulation Aspect towards Modeling of Automatic Cardiovascular Disorder Diagnosis System	International Journal of Biomedical Engineering and Technology Publication; Vol 19,No. 4, pp-303- 215 , 2015	Journal	International	ISSN (Online): 1752-6426 - ISSN (Print) : 1752-6418
4	Swati Barui, SantuGharai, Moupali Roy & Biswarup Neogi	Discrete Design Approach Along with Performance Analysis by Controllability and Observability Testing for a Standard Prosthetic Arm Model	Computational Advancement in Communication Circuits and Systems Vol. 335 pp 303-309	Book Chapter	International	Print ISBN 978-81-322- 2273-6 Online ISBN 978-81-322- 2274-3
5	Bipasha Chakrabarti, Shilpi Pal Bhowmik, SwarupMaity & Biswarup Neogi	Clinical Approach towards Electromyography (EMG) Signal Capturing Phenomenon Introducing Instrumental Activity	International Conference on Advancements of Medical Electronics(ICAME), springer publication 2015,29-30 <sup>th</sup> January	Conference	International	Print ISBN 978-81-322- 2255-2 Online ISBN 978-81-322- 2256-9
6	Biswarup Neogi, Susmita Das, Swati Ghosh, Nilotpal Manna & Swapan	Performance Study and Analysis towards Discrete System Introducing Jury Test Simulator	IEEE African Journal of Computing & ICT Vol 8. No. 1 –March, 2015, PP-27-38	Journal	International	ISSN 2006-1781

	Bhattacharyya					
7	S. Das, S. Ghosh, N. Manna, S. Bhattacharyya & B Neogi	Performance Study and Analysis towards Discrete System Introducing Jury Test Simulator	IEEE African Journal of Computing & ICT Vol 8. No. 1 PP- 27-38; March, 2015. ISI	Journal	International	ISSN 2006-1781
8	Dr. Biswarup Neogi, B. Chakraborty	AICTE Project Performance on Human Arm EMG Signal Interpretation: Bio signal processing & simulation	LAMBERT Academic Publishing, Omniscryptum GmbH & Co. KG (Book Publisher). 12th October, 2015 Germany	Book	International	ISBN No. (978-3-659-78604-4)
9	Dr. Biswarup Neogi & Susmita Das	Control & Simulation Approach towards the Improvement of Rubber Industry	LAMBERT Academic Publishing, Omniscryptum GmbH & Co. KG 26th August, 2015 Germany.	Book	International	ISBN No.(978-3-659-75377-0)
10	S Paul, P Das, R Dey, M Chowdhury & Dr. B Neogi	Analytical Study and Overview on Glove Based Indian Sign Language Interpretation Technique	Michael Faraday IET International Summit 2015 (IEEE Xplore) Conference: Sep 12-13, 2015	Conference	International	ISBN(Print):9789383-701803
11	S. Bhattacharya, A. Bhattacharya, and I Sarkar	“An Ultra-wideband Microstrip Antenna with Dual Band-Filtering for Biomedical Applications”	ICAME 2015, JIS College of Engg, Kalyani, India, 29 <sup>th</sup> -30 <sup>th</sup> Jan 2015.	Conference	International	<b>ISBN:</b> 978-81-322-2255-2 (Print) 978-81-322-2256-9 (Online)
12	R. Sinha, A. De, and S. Sanyal	A Theorem on Asymmetric Structure based Rat-Race Coupler	IEEE Micro Wireless Compon. Lett., vol. 25, no. 3, pp. 145-147, Mar. 2015.	Journal	International	<b>Impact Factor: 1.599</b>  <a href="https://doi.org/10.1109/LMW.2014.2382661">https://doi.org/10.1109/LMW.2014.2382661</a>
13	G. Lohar & S. Bhattacharyya	Quantum Theory Model of a Transmission Line	FRCCD (at RCC Institute of Information Technology, December 2015)	Conference	National	2395-0072
14	Moumita Pal, Prasenjit Maji	An approach to image compression using burrows-wheeler algorithm	International Journal of Science, Technology & Management Volume www.ijstm.com Volume No.04, Issue No. 03, March 2015	International Journal	International	ISSN (online): 2394-1537
15	Moumita pal, Suvomita Biswas	Offline Handwritten Bangla Character Recognition using k-NN,	National Conference on Academic Meet, 2015 organised by FOSET at MCKV Institute of Engineering, Liluah	National Conference, book chapter	National	

16	Arindam Banerjee, Mainu ck Das, Aniruddha Ghosh	Design of Reversible Binary Logarithmic Multiplier and Divider using optimal Garbage	” (IJACR, Vol- 5, Issue-18 <sup>th</sup> Mar’ 15).	Journal	International	
17	Gautam Lohar and S Bhattacharyya	Quantum Theory Models of a Transmission Line	Proc. of the IEEE National Conference on Frontline Research in Computer, Communication and Device (FRCCD-2015), December 29 – 30, 2015, pp 99-102, (Paper id – P301), Organised by RCC Institute of Information Technology, Kolkata, India]	National Conference	National	
18	Arpan Deyasi, Kasturi Mukherjee and S Bhattacharyya	Dependence of Small-Signal Properties of Si/Si <sub>0.9</sub> Ge <sub>0.1</sub> DDR IMPATT on Input Current Density at Millimeterwave Frequency	Proc. of the IEEE International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN - 2015), November 20 – 22, 2015, pp 290-293, (Paper id – P319), Organised by RCC Institute of Information Technology, Kolkata, India, in collaboration with IEEE CIS Kolkata Section and ACM Kolkata Chapter, India. [IEEE Explore],	International Conference	International	
19	Biswarup Neogi, Tanmoy Singha, Sasmita Das, Swati Ghosh, Nilotpal Manna and S Bhattacharyya	Performance Study and Analysis towards Discrete System Introducing Jury Test Simulator	<b>African Journal of Computing and ICTs</b> , Volume 8, No. 1, pp. 27-38 -12 (2015), [IEEE Explore	International Journal	International	ISSN: 2006 - 1781].
20	Arpan Deyasi, S Bhattacharyya and N R Das,	Effect of Nonparabolicity on Intersubband Transition Energy in Spherical Core-Shell Quantum Dot	Proc. of the 39 <sup>th</sup> International Conference on Optics and Photonics (ICOP - 2015), (Golden jubilee Conference of Optical Society of India) February 20 - 22, 2015, pp 1-4, (Paper	International Conference	International	[ISBN: 978-93-80813-31-8)] / (SPIE – <b>Linked - Feb 2015</b> )

			id – 128) Organised by The Department of Applied Optics and Photonics, University of Calcutta, Calcutta, West Bengal – 700 009, India in collaboration with Optical Society of India (OSI). <b>(IEEE Explore Linked)</b>			
21	Arpan Deyasi, S Bhattacharyya and N R Das	Calculating Intersubband Transition Energy in T-shaped Quantum Wire using FD Technique	Proc. of the 3 <sup>rd</sup> International Conference on Computer, Communication Control and Information Technology (C3IT - 2015), February 07 - 08, 2015, pp 1-4, (Paper id – 44) Organised by The Academy of Technology, Hooghly, West Bengal - 712121, India in collaboration with IEEE Kolkata Section. <b>(Procedia Technology (ELSEVIER), 2015)[IEEE Explore].]</b>	International Conference	International	[ISBN: 978-1-4799-4445-3/15@2015 IEEE
22	S Bhattacharyya and Arpan Deyasi,	Tailoring Characteristic Wavelength Range of Circular Quantum Dots for Detecting Signature of Virus in IR Region	Proc. of the 1 <sup>st</sup> International Conference on Advancements of Medical Electronics (ICAME - 2015), January 29 - 30, 2015, pp 353-363, (Paper id – P033), Organised by JIS College of Engineering, Kalyani, Nadia, India, in collaboration with IEEE Kolkata Section, Sponsored by TEQIP, New Delhi, India. <b>(Springer-Verlag Berlin Heidelberg Proceedings – Linked)</b> [Lecture Notes in Bioengineering,	International Conference	International	doi: 10.1007/978-81-322-2256-9_33],
23	A. Banerjee, D. K. Das	The Design of Reversible Signed	Journal of Low Power Electronics, October,	Journal	International	Indexed by Scopus and

		Multiplier using Ancient Indian Mathematics	2015			Thomson & Reuters' (I.F-0.441)
24	Arindam Banerjee, Aniruddha Ghosh, Mainuck Das, Samayita Sarkar	Reversible Binary Logarithmic Multiplier and Divider using Optimal Garbage	- International Journal of Advance computer Research (Volume-5, Issue-18th march-2015) ISSN:(P):2249-7277, ISSN:(O):2277-7970	Journal	International	ISSN:(P):2249-7277, ISSN:(O):2277-7970
25	A. Banerjee, D. K. Das	Squarer Design with Reduced Area and Delay	VLSI Design and Test Symp., May, 2015.	Conference	International	
26	A. Ghosh, A. Banerjee, M. Das	High Performance Novel Square Root Architecture Using Ancient Indian Mathematics for High Speed Signal Processing	International Journal of Advances in Pure Mathematics (China), Vol.05 No.08(2015), Article ID:57075, 13 pages 10.4236/apm.2015.58042	Journal	International	ISSN Online: 2162-5379, ISSN Print: 2162-5360
27	A. Ghosh, A. Banerjee, M. Das, S. Sarkar	Design of reversible binary logarithmic multiplier and divider using optimal garbage	International Journal of Advanced Computer Research Vol. 5 issue 18, March – 2015	Journal	International	(ISSN(print): 2249-7277, ISSN(online): 2277-7970
28	A. Ghosh, B. Chakrabarty, S. Pal Bhowmik, S. Maity, S. Ghosh, B. Neogi	Over Viewed Study on Several Human Muscles towards EMG signal recording aspect	International Journal of Applied Engineering and Technology Vol. 5, January – March 2015, pp. 17-25	Journal	International	(ISSN: 2277-212X(Online))
29	Arindam Banerjee, Aniruddha Ghosh, Mainuck Das.	High Performance Novel Square Root Architecture Using Ancient Indian Mathematics for High Speed Signal Processing	2015, 5, 428-441, Scientific Research Publication	Journal	International	SSN Online: 2162-5379, ISSN Print: 2162-5360
30	Arindam Banerjee, Aniruddha Ghosh, Mainuck Das, Samayita Sarkar	Reversible Binary Logarithmic Multiplier and Divider using Optimal Garbage	International Journal of Advance computer Research (Volume-5, Issue-18th march-2015) ISSN:(P):2249-7277, ISSN:(O):2277-7970	Journal	International	ISSN:(P):2249-7277, ISSN:(O):2277-7970
31	Subham Ghosh, Bipasha Chakrabarti, Shilpi Pal Bhowmik, Swarup Maity, Aniruddha Ghosh and Biswarup Neogi	Over Viewed Study On Several Human Muscles Towards Emg Signal Recording Aspect	<a href="http://www.cibtech.org/jet.htm">http://www.cibtech.org/jet.htm</a> 2015 Vol.5 (1) January-March, pp.17-25	Journal	International	ISSN: 2277-212X (Online)

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Sl	Author (Including Co- author)	Title of the Paper	Detail of Paper (including Vol., Issue, Pg. No. Year)	Nature of Paper (Journal/Conf erence/Book Chapter)	National/ International	Journal Impact No./SCI Index/ISBN No/ISSN No.
1	Anirban Patra	Developing a Low Cost Microcontroller Based Data Acquisition System to Monitor Civil Structure	Vol. No.2, Issue No.1,September 2014; Page No.- 30 - 34	Journal/International Journal of Advanced Technology in Engineering and Science	International	ISSN: 2348 – 7550
2	Anirban Patra	Theoretical Analysis of Design of Less Polluting Solar Power Plant in India	Vol. No.3, Issue No.2, Feb 2014; Page No. – 25-31	Journal/International Journal of Advance Research In Science And Engineering	International	ISSN : 2319 - 8354
3	Bikash Dey, Lusika Roy	A comparative study on temperature control of CSTR using PI controller,PID controller,& PID(two degrees of freedom) controller	,International Journal of electronics and computer science engineering,Vol.3,No. 1,pp.62-68,2014	Journal	International	ISSN- 2277-1956
4	S. Ghosh , A. Mandal, D. Manna , D. Bandyopadhyay, Z. Das &B Neogi	The Processes Realization with Model Based Automation Approach Towards Rubber Plant to Manufacture Vehicle Tires	International Journal of Engineering Research & Technology, Vol 3, Issue 4April 2014, PP-1377-1379	Journal	International	ISSN No: 2278-0181
5	M. Chowdhury, P. Das, S. Das, S. Paul & B Neogi	An Approach towards Dactylogy with Motor Controlled Artificial Arm	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE) Vol. 3, Issue 8, August 2014 pp. 2278 – 8875.	Journal	International	ISSN (Print) : 2320 – 3765 ISSN (Online): 2278 – 8875
6	Soumyendu Bhattacharjee, Sayanti Roy, Zinkar Das, Abesh Das &B Neogi	An Approach towards Error Less ECG Signal Equation Based on Computational Simulation Aspect with Modeling of Cardiovascular Disorder Diagnosis	International conference on Control, Instrumentation, Energy & Communication, CIEC14, Calcutta University, (IEEE), pp.231-235, Jan. 31st-Feb. 2nd, 2014 at Calcutta University.	Conference	International	DVD Proceedings(ISBN No: 978-1-4799-2043-3)

7	S Banerjee, D Sinha, S Bhatia, P Kumari, Zinkar Das, S Bandyapadhyay & B Neogi	Optimal Design Approach towards Standard Electromyography (EMG) Controlled Hand Prosthesis System	International Conference on Control, Instrumentation, Energy & Communication, (CIEC14) (IEEE), pp.177-181, Jan. 31st-Feb. 2nd, 2014 at Calcutta University, Kolkata	Conference	International	DVD Proceedings (ISBN No: 978-1-4799-2043-3)
8	Rajdeep Chowdhury, Biswarup Neogi, Zinkar Das, Prasenjit Chatterjee, Sourajit Ghosh	Advancement and Up Gradation Aspects En Route for Enhancement of Rubber Plant Industry Performance by Introducing Scholastic Support through the Proposed CDGN Model	1st International Conference on Non-conventional Energy (ICONCE-2014) (IEEE), Jan. 16-17th, 2014 at JIS College of Engineering, Kalyani, Nadia	Conference	International	Book Proceedings (ISBN No: 978-1-4799-3339-6), pp.413-417,
9	S. Roy & B. Neogi	Design Approaches on Auto Computational Guidance for Maintained Sugar Level with Proposed IDPC Unit Model	IEEE sponsored (CALCON-14) National Conference on Electrical, Electronics, and Computer Engineering pp:39-42 2014	Conference	National	ISBN 978-93-833-0383-0
10	Swati Barui, Debasmitta Manna, Subhasish Ghosh & B. Neogi	Controller Design And Optimized System Analysis For Standard Dexterous Arm Model	International Journal of Electronics and Communication Engineering & Technology (IJECET) Volume 6, Issue 1, January (2015), pp. 73-78	Journal	International	ISSN 0976 – 6464(Print) ISSN 0976 – 6472(Online)
11	Anirudha Ray & Swati Ghosh & B. Neogi	An Overview on Tactile Display, Haptic Investigation towards Beneficial for Blind	International Journal Scientific and Engineering Research (IJSER), Vol. 6, Issue 5, May-2015, pp.- 88-95	Journal	International	ISSN 2229-5518
12	Soumyendu Bhattacharjee, Aishwarya Banerjee, SnehaDas & Biswarup Neogi	The Sensitivity Analysis and Settling Time Improvement of Cardiovascular System with the Incorporation of Ziegler-Nichols (Z-N)	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering Vol. 4, Issue 1, January 2015, pp.-365-376	Journal	International	ISSN (Print) : 2320 – 3765 ISSN (Online): 2278 – 8875
13	B Chakrabarti, Swarup Maity,	Overview on Literature Survey	International Journal Scientific and	Journal	International	ISSN 2229-5518

	Swati Barui, Shilpi Palbhowmik, Saptarshi Das & Biswarup Neogi	towards EMG Interpretations Technique in Addition to Several Interdisciplinary Work Related to EMG Interpretations	Engineering Research (IJSER) Volume 6, Issue 5, May-2015 pp. 419-424			
14	B Chakrabarti , S P Bhowmik , S Maity, A Ghosh, S Ghosh & B Neogi	Over Viewed Study On Several Human Muscles Towards EMG Signal Recording Aspect	International Journal of Applied Engineering and Technology 2015 Vol. 5 (1) January-March pp.-17-25	Journal	International	ISSN: 2277-212X (Online)
15	S. Bhattacharya, P. P. Sarkar, I. Sarkar,	Ultra Wideband Microstrip-Line Fed Printed Monopole Antenna with Band-Notched Characteristic	International Journal of Electronics & Communication Technology, Vol. 5, Issue. 3, (), July - Sept 2014, pp. 265-268.	Journal		
16	R. Chatterjee, P. P. Sarkar and I. Sarkar,	Enhancement of Impedance-Bandwidth of an Ultra-Wideband Monopole Microstrip Antenna with A Metallic Grounded Strip	International Journal of Electronics & Communication Technology, Vol. 5, Issue. 3, (GIF <b>0.413</b> ), July - Sept 2014, pp. 139-142.	Journal		
17	Soumen Ghosh, Nilotpal Haldar.	Solar Tracking System using AT89C51 Microcontroller and LDR	Digital Library URI: <a href="http://www.ijetae.com/files/Volume4Issue12/IJETA_E_1214_62.pdf">http://www.ijetae.com/files/Volume4Issue12/IJETA_E_1214_62.pdf</a>	International Journal of Emerging Technology and Advanced Engineering	International Journal	2.324 /ISSN: 2250 – 2459 (Online)
18	Arpan Deyasi, Kasturi Mukherjee and S Bhattacharyya,	Dependence of Negative Resistivity on Current Density and Junction Temperature for DDR IMPATT	Proc. of the International Conference on Computational Intelligence and Communication Networks (ICCICN - 2014), November 14 – November 16, 2014, pp 1026-1030, (Paper id – P005), Organised by Jointly By RCC Institute of Information Technology, Kolkata, India, and MIR Labs Gwalior, India, in collaboration with IEEE Gold Kolkata Section, India. <b>[IEEE Explore,</b>	International Conference	International	doi: 10.1109/CICN. 2014.216, ISBN: 978-1-4799-6929-6/14@2014 IEEE]
19	Arpan Deyasi and S	Material Composition	Proc. of the International	International Conference	International	doi: 10.1007/978-81-322-



	Bhattacharyya,	Dependence on Optimization of Small-Signal Properties of Si <sub>x</sub> Ge <sub>1-x</sub> DDR IMPATT Diode	Conference on Computational Advancement in Communication Circuits and Systems (ICCACCS - 2014), October 30 – November 01, 2014, pp 313-19, (Paper id – P005), Organised by Narula Institute of Technology, Agarpara, India, in collaboration with IEEE Kolkata Section, Sponsored by TEQIP, New Delhi, India. <b>Notes in Electrical Engineering</b> , Part 6: Advances in Devices and Circuit. Vol. 335, Chapter 34, (Springer-Verlag Berlin Heidelberg Proceedings)			2274-3_34, [ISSN: 1876-1100]
20	Arpan Deyasi, S Bhattacharyya and N R Das	A Finite Difference Technique for Computation of Electron States in Core-Shell quantum Wire of Different Configurations	<b>Journal of Physica Scripta (IOP)</b> , vol. 89, no. 6., pp. 065804-14 (2014) [IOP Science,	International Journal	International	ISSN: 1402-4896, doi: 10.1088/0031-8949/89/6/065804]
21	Arpan Deyasi and S Bhattacharyya	Investigating Penetration Depth of Boron into P-Doped Silicon by Diffusion Process for P+NN+ SDR IMPATT Structure at KA-Band	<b>Journal of Association of Engineers (JAE)</b> , vol. 85, no. 3 - 4, pp. 18 - 24 (2014) (Paper Id: 23-2013 NCIP-SP)	International Journal	International	[ISSN. No: 0368-1106]
22	Arpan Deyasi, S Bhattacharyya and K Mukherjee	Dependence of Optimum Frequency on Junction Temperature and Current Density for Si DDR IMPATT at Millimeterwave Region	Proc. of the National Conference on Materials, Devices and Circuits in Communication Technology (MDCCT - 2014), February 07 - 08, 2014, pp 16-19, (Paper id – P006), Organised by Department of Physics, The University of Burdwan, in association with IETE Burdwan Sub-Centre, Burdwan, West Bengal, India,	National Conference	National	[ISBN: 978-93-80663-20-3]

23	Arpan Deyasi, K Mukherjee and S Bhattacharyya	Performance Comparison on D. C. Properties of Heterostructure DDR IMPATT with Conventional Diode	Proc. of the International Conference on Electronics, Communication and Instrumentation (ICECI - 2014), January 16 - 17, 2014, pp 01-04, (Paper id – 003), Organised by ECE and AEIE, The Heritage Institute of Technology, Kolkata, India. (A UGC Sponsored Seminar). <b>(IEEE Explore linked)</b> ,	International Conference	International	[doi: 10.1109/ICECI.2014.6767375, ISBN:978-1-4799-3982-4]
24	A. Banerjee, D. K. Das	Squaring in reversible logic using iterative structure	East West Design and Test Symposium, 2014, Ukrain	Conference	International	

Int. Journal:

Nat. Journal:

Int. Conferences:

Nat. Conferences:

Book Chapter:

LIST OF PAPERS PUBLISHED in 2013

Sl	Author (Including Co- author)	Title of the Paper	Detail of Paper (including Vol., Issue, Pg. No. Year)	Nature of Paper (Journal/Conferen ce/Book Chapter)	National/ Internatio nal	Journal Impact No./SCI Index/ISBN No/ISSN No.
1	Anirban Patra	Design of Less Polluting Solar Power Plant using Green Technology	October 2013	International Conference on Nanotechnology, ICNT - 2013 at HIT, Haldia	International	
2	Anirban Patra, S Sarkar, A Ghosh	Design of Microcontroller Based Solar Fence to Protect Animals	July 2013	Conference / N3CD - 2013 at JIS College of Engineering, Kalyani ;	National	
3	Anirban Patra, S Sarkar, A Ghosh	Design a Microcontroller Based Low Cost Wireless Heart Rate Monitoring System	September 2013	Conference / NCECS -2013 at Siliguri Institute of Technology , Siliguri	National	
4	Bikash Dey, Abhishek Dey	A practical study on denial of service attack & shell code attack on a tiny local area network	Proceedings of National Conference on control ,communication, device electronics,pp.62 -65,pp.62- 65,July 2013	Conference	National	
5	Bikash Dey, Moumita Pal	Pitch determination & pitch tracking of speech signals using implicit calculation of autocorrelation of temporal excitation signal	,Proceedings of National Conference on control , communication, device electronics,pp.34 8-354,July 2013.	Conference	National	
6	Bikash Dey, Lusika Roy	A practical simulation study on load frequency control using integral,PI,PID controller for a two area interconnected power system,	Proceedings of National Conference on control ,communication, device electronics,pp.17 9-184,July 2013	Conference	National	
7	Bikash Dey, Pranati Rakshit, Madhuchhanda Dasgupta	A new 5 x 5 mask for edge detection of small long distance objects,	Proceedings of National Conference on control , communication, device electronics, ,pp.178-182,,July	Conference	National	

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8	Lusika Roy, Bikash Dey	Load Frequency control in interconnected power system by using classical controller,	International journal of electronics and computer science engineering, Vol3 ,No.1,pp.22-25,2013.	Journal	International	ISSN- 2277-1956
9	S. Bhattacharjee, B. Das & B. Neogi	Soft Analysis of Discreet System Function Introducing Recursive Method	International Journal of Computer Applications (IJCA) Vol. 72, No. 14.	Journal	International	[ISSN:0975 – 8887] Impact Factor : 0.814
10	Zinkar Das, Nilotpol Manna & Biswarup Neogi	Model Representation and Study of Essence Effect Creation through Internet Technological Aspect	Journal of Innovative Systems Design and Engineering Vol.4, No.13, 2013, pp- 25-33	Journal	International	[ISSN (Paper)2222-1727 ISSN (Online)2222-2871,
11	S. Bandyopadhyay A. Ghosal, J. Kr. Ray, S. Banerjee & B. Neogi	A Study and Overview on Hybrid Technology for Next Generation Advanced Communication System	International Journal of Scientific and Research Publications Vol. 3, Issue 2, Feb' 13, pp.1-8	Journal	International	ISSN 2250-3153, Impact Factor : 3.27
12	S. Mandal, S. Chatterjee & B. Neogi	Diagnosis and Troubleshooting of Computer Faults Based on Expert System and Artificial Intelligence	International Journal of Pure and Applied Mathematics, Vol-83, No. 5, 2013, pp- 717-729	Journal	International	ISSN: 1311-8080
13	Sayanti Roy, Zinkar Das, Subham Ghosh & B. Neogi	Study and Overview on System Feedback Representations in Control Modeling with Artificial Neural Networks (ANN) Platform	International Journal of Computer Applications(IJCA) vol. 69, no. 25, May'13, pp.6-10.	Journal	International	ISSN: 0975-8887, Impact Factor : 0.814
14	S. Bhattacharjee, Z. Das, M. Das, S K Chakraborty, S. Bhatia, P. Kumari & B. Neogi	Investigation on Study and Modeling Based Analytical Phenomenon of Cardiovascular System towards Heart Disease Detection	International Journal of Advanced Scientific and Technical Research (IJAST) vol. 6, iss. 3, Nov.-Dec. 2013, pp.599-606	Journal	International	ISSN: 2249-9954
15	Zinkar Das, Moupali Roy,	Study of modelling approach on nose	International Journal of	Journal	International	(ISSN: 2319 - 4847)

	Subham Ghosh, Aniruddha Ghosh & B. Neogi	prosthesis compared to human smell sensing activity with advanced design technique	Application or Innovation in Engineering & Management (IJAEM) vol. 2, iss. 12, Dec. 2013, pp.260-266			
16	S Bhattacharjee, A Mazumder, Z Das, L Kumar, K Shree & B. Neogi	Study on Cardiovascular Diseases with Compression of Generalized ECG Signal to Support Biomedical Advancement	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering vol. 2, iss. 10 Oct. 2013, pp.5213-5219	Journal	International	ISSN (Print) : 2320 – 3765 ISSN (Online): 2278 – 8875
17	Sayanti Roy, Zinkar Das, Rajdeep Chowdhury, Biswarup Neogi & Sunit Ghosh Majumdar	Study, Analysis and Implementation for Enhancement and Improvement of Low Cost Solar Powered Lighting System using CFL Technology from Indian Perspective	Research Journal Science and Technology (RJST) vol. 5, iss. 4 Oct.-Dec. 2013, pp.455-461	Journal	International	ISSN: 0975-4393
18	S Banerjee, A Mazumder, A Nag & B Neogi	“Prosthetic Arm – its digital realization”	Ulab Journal of science and engineering, Vol 4 Nov 2013, Pp 33	Journal	International	ISSN: 2079-4398
19	S Bhattacharya, I Sarkar, P P Sarkar,	“A Compact ‘U’ Shaped Wide-Slot Monopole Microstrip-line Fed Antenna for Circular Polarization”	N3CD-2013, JIS College of Engg, Kalyani, India, 25 <sup>th</sup> -26 <sup>th</sup> July 2013, pp 1-4.	Conference	National	2395-0072
20	Sk. S. Ali, S. Banerjee, I. Sarkar	“Novel Reduced Size Microstrip Antenna for Mobile Communication”	N3CD-2013, JIS College of Engg, Kalyani, India, 25 <sup>th</sup> -26 <sup>th</sup> July 2013, pp 50-53.	Conference	National	
21	G. Lohar & A.D. Sarkar	A Data Independent Beam former Using LMS Algorithm	N3CD-2013 (at JISCE, Kalyani, July 2013)	Conference	National	2395-0072
22	G. Lohar & D. Choudhury	Two Dimensional Discrete Combined Fourier Transform	N3CD-2013 (at JISCE, Kalyani, July 2013)	Conference	National	
23	Nilotpal Haldar, Soumen Ghosh	Automated Toll collection system along with Traffic counter and traffic light controller	Page No.- 227-231	National conference on control, communication & device electronics	National conference	

24	Nilotpal Haldar, Samayita Sarkar	MICROCONTROL LER BASED BANK VAULT SECURITY SYSTEM	Page No.- 238-243	National conference on control, communication & device electronics	National conference	
25	Moumita Pal, Bikash Dey	Pitch determination and pitch tracking of speech signals using implicit calculation of autocorrelation of temporal excitation signal, National Conference on Control, Communication & Device Electronics, 2013	National Conference on Control, Communication & Device Electronics, 2013	National Conference	National Conference	
26	Moumita pal, Nilanjan Dey, Anamitra Bhadra	DWT Based Speaker Identification Using Spectrogram Analysis, International Journal of Graphics & Image Processing(IJGIP) ISSN 2249 – 5452 www.ifrsa.org Vol.3, Issue 4, May-June 2013.	International Journal of Graphics & Image Processing (IJGIP) www.ifrsa.org Vol.3, Issue 4, May-June 2013.	International Journal	International	
27	AnirbanPatra, Aniruddha Ghosh	Design of Microcontroller Based Wireless Heart Rate Monitoring System	Proceedings of National Conference on Electronics, Communication and Signal Processing - NCECS 2013,pp10-12.	Conference	National	
28	AnirbanPatra, Aniruddha Ghosh	Design of Microcontroller Based Solar Fence to Protect Animals	Proceedings of National Conference on control , communication, device electronics,- N3CD 2013,pp202-205.	Conference	National	
29	Nilotpal Haldar, Sourav Mukherjee, RanjitaKundu, Nilanjana	Microcontroller based bank vault security system	Proceedings of National Conference on control , communication,	Conference	National	

	Choudhury, Debapriya Nandi		device electronics,- N3CD 2013,pp238-243.			
30	Rajan Ghosh, Mainuck Das, Aniruddha Ghosh, Subham Ghosh	Ultra High Speed Factorial Design in Sub-nanometer Technology	Proceedings of Academy and Industry Research Collaboration Center(AIRCC), DOI : 10.5121/csit.2013.3229,pp305-315.	Conference	National	
31	S Bhattacharyya, Arpan Deyasi and N R Das,	Electric Field Effect on Intersubband Oscillator Strength of Semiconductor Quantum Disk”, Proc. of the International Conference on Microwave and Photonics	(ICMAP - 2013), December 13-15, 2013, pp 1 - 5, (Paper id – MS106), Organised by The Department of Electronics Engineering, Indian School of Mines (ISM), Dhanbad, India, in collaboration with IEEE. (IEEE Explore linked), [doi: 10.1109/ICMAP.2013.6733541,	International Conference	International	ISBN: 978-1-4799-2176-8]
32	S Bhattacharyya and Arpan Deyasi	Effect of Band Nonparabolicity on Electron Energies of a Quantum Disk in Presence of Electric Field	Proc. of the International Conference on Impact of Engineering on Global Sustainability (INDICON - 2013), December 13-15, 2013, (Paper id – 45), Organised by IEEE Mumbai, Jointly with IEEE India Council India. (IEEE Explore Linked),	International Conference	International	[doi: 10.1109/INDC ON.2013.6725987, ISBN: 987-1-4799-2274-1].
33	Arpan Deyasi and S Bhattacharyya,	Intersubband Transition Energy of Circular Quantum Dots Under Transverse Magnetic Field	(MagMa - 2013), December 05-07, 2013, pp 239, (Paper id – E0044),	International Conference	International	[ELSEVIER, ISSN: 1875-3892]

			Organised by Department of Physics, Indian Institute of Technology, Guwahati, Assam, India, Jointly with Magnetics Society of India. Physics Procedia Vol. 54C, pp. 118-126-11 (2014)–			
34	S Bhattacharyya and Arpan Deyasi	Analytical Modeling of Circular Quantum dots for Photonic Applications	Proc. of the 3 <sup>rd</sup> International Conference on Advanced Nanomaterials and Nanotechnology (ICANN - 2013), December 01-03, 2013, (Paper id – C50), Organised by Department of Centre for Nanotechnology and Indian Institute of Technology, Guwahati, Assam, India. (IEEE Explore Linked)	International Conference	International	
35	S Bhattacharyya and Arpan Deyasi,	Nonparabolic Effect on Intraband Transition Energy of QDOTS Proc. of the Introduction to Photonics and Applications	(InPhAs - 2013), July 29 – Aug 02, 2013, pp. 82, (Paper id – 02) Organised by The Department of Physics, National Institute of Durgapur, Durgapur, West Bengal, India, A TEQIP-II Sponsored Short Term Programme.	International Conference	International	
36	Arpan Deyasi, S Bhattacharyya and N. R. Das	Effect of Shell Thickness on Intersubband Transition Energies in GaAs/Al <sub>x</sub> Ga <sub>1-x</sub> As Inverted Core-shell Nanodot	<b>Advanced Nanomaterials and nanotechnology, [Springer Proceedings in Physics], Vol.</b>	<b>Springer Proceedings</b>	International	[doi:10.1007/978-3-642-34216-5_55, ISBN: 978-3-642-34216-5].



			143, Chapter no. 55, pp. 551-560-10, (2013), Springer Verlag Berlin Heidelberg, March 2013,			
37	S Bhattacharyya and Arpan Deyasi, "Calculating Intersubband Transition Energy of Quantum Disk for Lasing Application	Calculating Intersubband Transition Energy of Quantum Disk for Lasing Application	Proc. of the 3 <sup>rd</sup> National Seminar on Recent Trends in Condensed Matter Physics Including Laser Application (TNSCMPLA - 2013), March 05 - 07, 2013, pp 82, (Paper id – 48), Organised by Department of Physics, Centre of Advanced Study, The University of Burdwan, Burdwan, West Bengal, India. (A UGC Sponsored Seminar).	National Seminar	National	
38	Arpan Deyasi, S Bhattacharyya and N R Das,	"Computation of Intersubband Transition Energy in Normal and Inverted Core-Shell Quantum Dots using Finite Difference Technique",	<b>Journal of Superlattices Microstructures (Elsevier)</b> , Volume 60, pp. 414-425-12 (2013), [ELSEVIER,	International Journal	International	ISSN: 0749-6036, doi: 10.1016/j.spmi.2013.05.026].
39	S Bhattacharyya, Arpan Deyasi and N R Das,	"Electron States in a Semiconductor Quantum Disk in Parallel Magnetic Field",	Proc. of The 100 <sup>th</sup> Indian (Indian Science Congress), January 03 - 07, 2013, pp 108-109, (Paper id – B 37), Organised by The Indian Science Congress Association, University of Calcutta, West Bengal –700 009, India.	Science Congress	National	
40	A. Bsnerjee, R. Ghosh, M. Das,	FPGA implementation of high speed high	International Conference on	Conference	International	

	S. Ghosh, A. Ghosh,	throughput OFDM transceiver	computation and communication advancement pp-207-212, January, 2013. JIS college of engineering.			
41	B. Neogi, L. Kumar, K. Shree, M. Das, R. Ghosh, & S. Bhattacharjee	Study on cardiovascular diseases with compression of generalized ECG signal to support biomedical advancement	International Journal of scientific and research publication [ISSN (Online):2250-3153 - ISSN (Print) pp-1-7,2013.	Conference	International	[ISSN(Online): 2250-3153 - ISSN(Print) pp-1-7,2013.
42	B. Neogi, Z. Das, S. Chakraborty, S. Bhatia M. Das, S. Bhatia. P. Kumari & S. Bhattacharjee	Investigation on study and modelling based analytical phenomenon of cardiovascular system towards heart disease detection	International Journal of advanced scientific and technical research [ISSN(Online):2249-9954]volume-6,pp-599-606,2013.	Journal	International	[ISSN (Online):2249-9954]volume-6,pp-599-606,2013.
43	A. Ghosh , Z. Das, M. Roy, S. Ghosh, B. Neogi	Study of modelling approach on nose prosthesis compared to human smell sensing activity with advanced design technique	International Journal of Application or Innovation in Engineering & Management (IJAIEEM) vol. 2, issue 12, pp.260-266, Dec. 2013	Journal	International	( ISSN : 2319 - 4847 )
44	A. Ghosh, B. Das, S. Bhattacharjee , B. Neogi	Soft Analysis of Discrete System Function Introducing Recursive Method	International Journal of Computer Applications (IJCA) Vol- 72, No. 14, May 2013. pp. 01-03	Journal	International	(ISSN: 0975 – 8887)
45	A. Ghosh , A. Banerjee, M. Das , S. Ghosh	FPGA Implementation of high speed Throughput OFDM Transceiver	Proceedings of International Conference IC3A 2013 ,pp. 207 – 212	Conference	International	
46	A. Ghosh , R. Ghosh , M. Das, S. Sarkar , S. Ghosh	Ultra High Speed Factorial Design in Sub-nanometer Technology	Proceedings of National Conference ACER 2013 , DOI :	Conference	National	

			10.5121/csit.2013.3229, pp. 305-315			
47	A. Ghosh , A. Patra, S. Sarkar	Design of Microcontroller Based Solar Fence to Protect Animals	Proceedings of National Conference on control, communication, device electronics N3CD 2013, pp. 202-205	Conference	National	
48	A. Ghosh , A. Patra, S. Sarkar	Design of Microcontroller Based Wireless Heart Rate Monitoring System	Proceedings of National Conference on Electronics, Communication and Signal Processing NCECS 2013, pp. 10-12	Conference	National	
49	Anirban Ghosal, Rajarshi Sanyal, Rajeev Kr. Singh,	“Broadband Microstrip Antenna with Ring Ground Plane”,	National Conference N3CD,Held on 25 <sup>th</sup> & 26 <sup>th</sup> July,2013,Paper ID: ID0262N82M,Page no: 62-65	Conference	National	
50	Anirban Ghosal, Sudip Bandyopadhyay, Jayanta Kr. Ray, Swati Banerjee & Dr. Biswarup Neogi	“ A Study and Overview on Hybrid Technology for Next Generation Advanced Communication System”,	International Journal of Scientific and Research Publications, Volume 3, Issue 2, February 2013	International Journal	International Journal	ISSN 2250-3153,Page No:1-8
51	S. Ghosh A. Banerjee, A. Ghosh, M. Das	FPGA Implementation of High Speed Throughput OFDM Transceiver	pp. 207 – 212 2013	Conference	International	2395-0072
52	Rajan Ghosh, Mainuck Das, Samayita Sarkar, Aniruddha Ghosh, Subham Ghosh	Ultra High Speed Factorial Design in Sub-nanometer Technology	DOI : 10.5121/csit.2013.3229, pp. 305-315	Conference	National	
53	Zinkar Das, Moupali Roy, Subham Ghosh, Aniruddha Ghosh and Biswarup Neogi	Study of modelling approach on nose prosthesis compared to human smell sensing activity with advanced design technique	vol. 2, issue 12, pp.260-266	Journal	International	(ISSN: 2319 – 4847)
54	Sayanti Roy, Zinkar Das,	Study and Overview on System Feedback	Volume 69 – No.25 , May	Journal	International	0975 – 8887

	SubhamGhosh, BiswarupNeogi	Representations in Control Modeling with Artificial Neural Networks (ANN) Platform	2013			
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LIST OF PAPERS PUBLISHED in 2012

Sl	Author (Including Co-author)	Title of the Paper	Detail of Paper (including Vol., Issue, Pg. No. Year)	Nature of Paper (Journal/Conference/Book Chapter)	National/International	Journal Impact No./SCI Index/ISBN No/ISSN No.
1	B. Neogi, S. Ghosal & S. Sarkar	Analysis & Control Towards Limb Prosthesis For Paraplegic & Fatigued Conditions By Introducing Lyapunov & Sample Data Domain Aspects	International Review of Automatic Control (IREACO Praise Worthy Prize Publication) Vol.5, No. 4 July 2012, pp.548-552.	Journal	International	[ISSN:1974 – 6059] Impact Factor : 6.68
2	B. Neogi, S. Mukherjee, S. Ghosal, A. Das & D. N. Tibarewala	Simulation techniques and Prosthetic approach towards biologically efficient Artificial Internal Organs- An Overview	International Journal of Biomedical Engineering and Technology (IJBT Inderscience Publication), Vol. 9 ,No. 3, 2012, pp- 213-229.	Journal	International	[ISSN (Online): 1752-6426 -ISSN (Print): 1752-6418] Impact Factor : 0.3
3	S.Das, A. Chakraborty, J K Ray, S Bhattacharjee & B. Neogi	Study on Different Tuning Approach With Incorporation of Simulation Aspect For Z-N (Ziegler-Nichols) Rules	International Journal of Scientific and Research Publication Vol. 2, Issue.8, pp. 01-05.	Journal	International	[ISSN 2250-3153], Impact Factor : 3.27
4	R. Roy, S. Das, J. K. Ray, S. Barat & B. Neogi	Automatic Speed Control Of Single Phase Induction Motor With The Variation Of Ambient Temperature	International Journal of Scientific and Research Publications, Volume 2, Issue 8, November 2012 pp.10-14	Journal	International	[ISSN 2250-3153], Impact Factor : 3.27
5	S. Chattopadhyay, S. Das, A. Nag, J.K Ray, S. Bhattacharjee & B. Neogi	Design And Simulation Approach Introduced To Ecg Peak Detection With Study On Different Cardiovascular Diseases	International Journal of Scientific and Research Publications Vol. 2, Issue 12, December 2012, pp.1-8	Journal	International	[ISSN 2250-3153], Impact Factor : 3.27
6	S. Ghosal, R. Darbar, B. Neogi  A. Das and D.N. Tibarewala	Application of Swarm Intelligence Computation Techniques in PID Controller Tuning: A Review	Book Chapter of Advances in Intelligent and Soft Computing, Springer Series 2012, Volume 132 pp.195-208	Book Chapter	International	Print ISBN 978-3-642-27442-8  Online ISBN 978-3-642-27443-5

7	A. Mazumder, S Ghosal, Susmita Das & B. Neogi	Study of Sampled Data Control Approach towards Prosthetic Eye Model for initiating the Non Deterministic Aspect	Book Chapter of Communications in Computer and Information Science, 2012, Volume 292, Part 2, 169-177	Book Chapter	International	Print ISBN 978-3-642-31685-2 Online ISBN 978-3-642-31686-9
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21	S Bhattacharyya, Arpan Deyasi, Susmita Sen and N R Das,	Eigenstates and Intersubband Transition Energies of a GaAs Quantum Ring in presence of Parallel Magnetic Field	International Journal of Advanced Computer Engineering and Architecture (IJACEA), [Mind Reader], Vol. 2, no. 2, pp. 153-159-7, June – December 2012,	International Journal	International	[ISSN: 2248-9452].
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