

# **FACULTY RESEARCH PUBLICATION**



**GURU NANAK INSTITUTE OF TECHNOLOGY**



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# FACULTY PUBLICATION

(From 2003 to 2020)

Dept	National Journal	National Seminar/Conference	International Journal	International Seminar/Conference	Total
CSE	4	67	67	69	207
ECE	0	32	56	72	160
AEIE	1	18	12	40	71
EE	1	23	45	43	112
IT	0	10	35	41	86
ASH	15	44	46	38	143
FT	49	155	80	56	340
CA	0	2	26	3	31
FMS	4	4	1	2	11
<b>TOTAL</b>	<b>74</b>	<b>355</b>	<b>368</b>	<b>364</b>	<b>1161</b>

### FACULTY PUBLICATION SUMMARY BREAKUP (2003 TO 2020)

Academic Year	Dept	National Journal	National Seminar/Conference	International Journal	International Seminar/Conference	Total
<b>2019-20</b>	CSE	0	0	7	20	27
	ECE	0	0	16	17	33
	AEIE	0	0	1	8	9
	EE	0	0	2	33	35
	IT	0	0	0	9	9
	ASH	0	0	2	0	2
	FT	0	0	7	15	22
	CA	0	0	1	0	1
		0	0	37	102	139
<b>2018-19</b>	CSE	0	2	6	6	14
	ECE	0	4	9	8	21
	AEIE	0	0	1	3	4
	EE	0	2	4	3	9
	IT	0	0	6	5	11
	ASH	0	1	3	4	8
	FT	0	9	5	0	14
	CA	0	0	0	0	0
		0	18	34	29	81
<b>2017-18</b>	CSE	0	0	2	5	7
	ECE	0	3	8	16	27
	AEIE	0	0	1	3	4
	EE	0	5	2	5	12
	IT	0	0	6	4	10
	ASH	1	3	3	5	12
	FT	0	15	16	1	32
	CA	0	0	0	0	0
		1	26	38	39	104
<b>2016-17</b>	CSE	0	4	7	6	17
	ECE	0	0	1	12	13
	AEIE	0	0	3	4	7
	EE	0	0	6	1	7
	IT	0	2	7	3	12
	ASH	1	6	8	8	23
	FT	11	25	8	12	56
	CA	0	0	0	0	0

		12	37	40	46	135
<b>2015-16</b>	CSE	0	0	16	3	19
	ECE	0	0	13	4	17
	AEIE	0	0	1	4	5
	EE	0	0	12	0	12
	IT	0	0	7	5	12
	ASH	2	2	3	4	11
	FT	6	8	1	17	32
	CA	0	0	9	1	10
		8	10	62	38	118
<b>2014-15</b>	CSE	0	0	10	2	12
	ECE	0	1	7	9	17
	AEIE	0	1	2	9	12
	EE	0	1	13	1	15
	IT	0	0	5	2	7
	ASH	3	0	11	2	16
	FT	8	19	2	9	38
	CA	0	0	11	1	12
		11	22	61	35	129
<b>2013-14</b>	CSE	0	0	9	6	15
	ECE	0	0	3	0	3
	AEIE	0	3	2	1	6
	EE	0	0	0	0	0
	IT	0	0	3	3	6
	ASH	1	2	7	1	11
	FT	4	12	3	0	19
	CA	0	0	4	0	4
	FMS	0	0	1	0	1
		5	17	32	11	65
	<b>2012-13</b>	CSE	0	13	6	6
ECE		0	12	2	5	19
AEIE		0	6	0	2	8
EE		0	4	0	0	4
IT		0	3	2	2	7
ASH		1	9	3	3	16
FT		8	21	10	0	39
CA		0	1	0	0	1
FMS		0	1	0	0	1
		9	70	23	18	120
<b>2011-12</b>	CSE	0	20	0	4	24

	ECE	0	7	5	3	15
	AEIE	0	4	0	5	9
	EE	0	2	2	0	4
	IT	0	5	0	5	10
	ASH	1	5	2	0	8
	FT	9	21	15	1	46
	CA	0	0	0	0	0
	FMS	1	0	0	2	3
		11	64	24	20	119
<b>2010-11</b>	CSE	0	9	4	3	16
	ECE	0	4	4	4	12
	AEIE	0	1	1	3	5
	EE	1	5	0	0	6
	IT	0	0	1	3	4
	ASH	2	4	4	3	13
	FT	3	17	8	1	29
	CA	0	1	1	1	3
	FMS	1	0	0	0	1
		7	41	23	18	89
<b>2009-10</b>	CSE	0	5	0	3	8
	ECE	0	2	0	0	2
	AEIE	1	1	0	0	2
	EE	0	2	0	0	2
	IT	0	0	1	0	1
	ASH	0	2	0	2	4
	FT	0	2	6	0	8
	CA	0	0	0	0	0
	FMS	1	1	0	0	2
		2	15	7	5	29
<b>2008-09</b>	CSE	1	5	0	1	7
	ECE	0	1	0	0	1
	AEIE	0	0	0	1	1
	EE	0	2	0	0	2
	IT	0	0	0	0	0
	ASH	2	1	0	0	3
	FT	0	0	0	0	0
	CA	0	0	0	0	0
	FMS	1	2	0	0	3
		4	11	0	2	17
<b>2007-08</b>	CSE	0	0	0	0	0
	ECE	0	0	0	0	0

	AEIE	0	0	0	1	1
	EE	0	0	0	0	0
	IT	0	0	0	0	0
	ASH	0	0	0	0	0
	FT	0	0	0	3	3
	CA	0	0	0	0	0
	FMS	0	0	0	0	0
		0	0	0	4	4
<b>2006-07</b>	CSE	0	3	0	2	5
	ECE	0	2	0	1	3
	AEIE	0	0	0	0	0
	EE	0	0	0	0	0
	IT	0	0	0	0	0
	ASH	0	0	0	2	2
	FT	0	4	0	0	4
	CA	0	0	0	0	0
	FMS	0	0	0	0	0
		0	9	0	5	14
<b>2005-06</b>	CSE	0	4	0	1	5
	ECE	0	0	0	0	0
	AEIE	0	0	0	0	0
	EE	0	0	0	0	0
	IT	0	0	0	0	0
	ASH	0	2	0	1	3
	FT	0	1	0	2	3
	CA	0	0	0	0	0
	FMS	0	0	0	0	0
		0	7	0	4	11
<b>2004-05</b>	CSE	1	1	0	0	2
	ECE	0	0	0	0	0
	AEIE	0	1	0	0	1
	EE	0	0	0	0	0
	IT	0	0	0	0	0
	ASH	0	5	0	2	7
	FT	0	2	0	0	2
	CA	0	0	0	0	0
		1	9	0	2	12
<b>2003-04</b>	CSE	2	1	0	1	4
	ECE	0	0	0	0	0
	AEIE	0	1	0	1	2

EE	0	0	0	0	0
IT	0	0	0	0	0
ASH	1	2	0	1	4
FT	0	4	0	2	6
CA	0	0	0	0	0
	3	8	0	5	16

**2019-20**

**DEPARTMENT: ECE**

**International Journal**

- **Anurima Majumder, S.K.Das, A.Das , "A CPW fed modified ring patch antenna with DGS for multi-frequency and wide band wireless communications", Accepted in International Journal , International Journal of Modern Engineering and Research Technology, UGC approved, IF 0.9,3rd October 2019**
- **Anurima Majumder, S.K.Das, A.Das, "Ultra wideband CPW fed patch antenna with fractal elements and DGS for wireless application", Progress in electromagnetic research (PIER C), September, 2019 Vol 94 , pp 131-144, IF 2.9, SCOPUS Indexed.**
- **Antara Ghosal, S.K.Das, A.Das, "Multifrequency Rectangular Microstrip Antenna with array of L-slots", AEU- International Journal of Electronics & Communications, November, 2019, Volume 111, IF 2.853, SCOPUS Indexed.**
- **Kaushik Roy et al., "Anticoagulant, Thrombolytic and Antibacterial Activities of *Euphorbia acruensis* Latex-mediated Bioengineered Silver Nanoparticles", Green Processing and Synthesis, Volume:8, Page: 590-599, July 2019 (SCI Impact Factor-1.21).**
- **Kaushik Roy et al., "Semiconducting Behaviour of Metal Thin Film composed of Green Synthesized Silver Nanoparticles", *IEEE Xplore* Digital library, 10.1109/DEVIC.2019.8783229, August 2019.**
- **Anurima Majumdar, Antara Ghosal, "IOT Based Auto-Irrigation System for Agriculture", published in International Journal of Emerging Science and Engineering (IJESE) ", July 2019.**

- **Surajit Basak,"On BER Minimizing Routing and Power Allocation in Multi-Hop Cognitive Radio Ad-Hoc Networks"**, International Journal of Engineering Science and Computing (IJESC)", Vol-9, issue-5,July 2019.
- **Avali Banerjee, "Stability and Control of Quadcopter "**, International Journal for Scientific Research and Development", July 2019, Google Scholar, IF 4.396.
- **Avali Banerjee, "Integrated Multifunctional Security System"**, International Journal for Scientific Research and Development, July 2019, Google Scholar, IF 4.396.
- **Anurima Majumdar, Antara Ghosal, "IoT Based Auto-Irrigation System for Agriculture"**, International Journal of Emerging Science and Engineering (IJESE), Vol-9, issue-5,July 2019.
- **Surajit Basak, "On Energy Efficient Secure Routing in Multi-hop Underlay D2D Communications for IoT Applications"**, Ad Hoc Networks (Elsevier), Communicated and received minor revisions in May, 2020. Impact Factor: 3.49.
- **Palasri Dhar "Drain Current versus drain voltage characteristics for an analytical Al<sub>0.25</sub>Ga<sub>0.75</sub>N/GaAs superlattics MOSFET "** *Superlattices and Microstructures (ELSEVIER)*MAY 2020,Impact factor: 2.385 (communicated).
- **Sunipa Roy, "Facile Synthesis of ZnO Nanofoam on ZnO Nanowire for Hydrogen Gas Detection"**, Nanoscience and Nanotechnology Asia (Bentham Science),Volume 10 , Issue 1 , 2020, March 2020.Impact Factor: 0.8.
- **Sunipa Roy, "Formaldehyde Sensor to Defeat Sick Building Syndrome"**, Sensor Letters (ASP), May 2020, Accepted, Article in press. Impact Factor: 1.5
- **Sunipa Roy, :Graphene based Room temperature H<sub>2</sub> Gas Sensor"**, IEEE sensor Journals (IEEE), May 2020 ,Impact Factor: 3.076 (Communicated).
- **Sunipa Roy, "Analysis of thermal noise with device scaling for InAs<sub>x</sub>Sb<sub>1-x</sub> UTB MOSFETs in sub 100 nm regime"**,Superlattices and Microstructures (Elsevier) May 2020,Impact factor: 2.385 (communicated)

**International Conference**



- **Sayan Roy Chaudhuri, et. al. "Vehicle Pressure Limiting Bridge Model"**, published in International Conference - Frontiers in Engineering, Management and Applied Science 2019(FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep,2019.
- **Sayan Roy Chaudhuri, et.al." A Review of PCA Based Face Recognition Methods"**, published in International Conference - Frontiers in Engineering, Management and Applied Science-2019(FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep,2019.
- **Dr. Surajit Basak, et.al.,"Control Electrical Devices Remotely Using RF"**,published in International Conference-Frontiers in Engineering, Management and Applied Science-2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0
- **Suparna Biswas, et.al.,"Programmable Wireless Based Telerobotics Surgery with heartbeat measurements and blood pressure and blood sugar measurements"**, published in International Conference - Frontiers in Engineering, Management and Applied Science-2019(FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep,2019.
- **Palasri Dhar, et.al.,"A Review of PCA Based Face Recognition Methods"**, published in International Conference - Frontiers in Engineering, Management and Applied Science-2019(FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep,2019.
- **Suparna Biswas, Palasri Dhar, "A Review of PCA Based Face Recognition Methods"**, published in International Conference-Frontiers in Engineering, Management and Applied Science-2019(FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep,2019.
- **Koushik Pal, et.al., "RFID Tag Based Security System"**, published in International Conference - Frontiers in Engineering, Management and Applied Science-2019(FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep,2019.
- **Avali Banerjee, S.K.Das, A.Das, " Transient Analysis of Crosstalk between Triple Traces on a Double Layer PCB"**, published in International Conference - Frontiers in Engineering, Management and Applied Science-2019(FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- **Palasri Dhar, Dr. Sunipa Roy, " Low Threshold Voltage AlGaAs/GaAs High Electron Mobility Transistor and AlGaN/GaN High Electron Mobility Transistor: A comparative Study"**, published in International Conference - Frontiers in Engineering,

Management and Applied Science-2019(FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep,2019.

- **Palasri Dhar, Suparna Biswas, "Programmable Wireless Based Telerobotics Surgery with heartbeat measurements and blood pressure and blood sugar measurements"**, published in International Conference - Frontiers in Engineering, Management and Applied Science-2019(FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep,2019.
- **Swagata Bhattacharya, et.al, "Automated Greenhouse Controller"**, published in International Conference - Frontiers in Engineering, Management and Applied Science-2019(FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- **Dr. Sunipa Roy et.al., "Technological Development of Piezoelectric Mass Sensor"**, published in International Conference - Frontiers in Engineering, Management and Applied Science-2019(FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- **Sunipa Roy, Gargi Bhattacharya, Amrita Banerjee "Modelling And Simulation Of Tunneling Current Through Gold Nanoparticles Composite Gate Dielectric"**, International Conference - Frontiers in Engineering, Management and Applied Science - 2019, ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- **Antara Ghosal, Sisir Kumar Das, Annapurna Das, "Analysis of a Slotted Microstrip Patch Antenna for Wireless communication"**,International Conference- Frontiers in Engineering, Management and Applied Science - 2019, ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- **Anurima Majumdar, Sisir Kumar Das, Annapurna Das,"DUAL POLARISED TETRA FREQUENCY CIRCULAR MICROSTRIP PATCH ANTENNA"**, International Conference - Frontiers in Engineering, Management and Applied Science - 2019, ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- **Avali Banerjee, Sanchari Saha, Wriju Banerjee, Tathagata Bhattacharyya, Saswata Sundar Maity, " Facial and Voice Recognition Based Security and Safety System in Car"**, IEEE 8th International Conference on Reliability, Infocom Technologies and Optimization (ICRITO'2020) (Trends and Future Directions), Technically Co-Sponsored by IEEE UP Section (India), Amity University, Noida, 4th - 5th June, 2020 accepted.
- **Avali Banerjee, Sangeeta Rana, S. B. Amreen Saba, Samayita Chakraborty, "Bionic Eye-A Review"**, IEEE 8th International Conference on Reliability, Infocom

Technologies and Optimization (ICRITO'2020) (Trends and Future Directions), Technically Co-Sponsored by IEEE UP Section (India), Am;ity University, Noida, 4th - 5th June, 2020 accepted.

**DEPARTMENT: CSE**

**International Conference**

- **Srabani Kundu,** "A Realistic Sensing Model for Event Area Estimation in Wireless Sensor Networks" published in Springer proceedings of 4th ICACIE 2019. Rama Devi Women's University, Bhubaneswar, India, August, 2019.
- Sandip Kumar Karmakar, Poulomi Kumar, Prothit Das, Joydeep Mukherjee, **Sourish Mitra, Ipsita Saha,** "IOT Based Microcontroller operated Noise management with efficient Power consumption Strategy in a Smart Library System" published in International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- Bikramjit Das, Nirupam Saha, **Sourish Mitra, Bidyutmala Saha, Rafiqul Islam, Moley Dhar,** " IOT Based Quad-Copter for Sowing Seed, Sprinkling Fertilizer and identifying Suitable Crop in a Farming Land by Soil analysis and Weather Prediction" published in International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- Yogesh Singh, Utattha Banerjee, Snigdha Mazumdar, **Sourish Mitra, Ipsita Saha, Santanu Kumar Sen,** "Human Motion Detection with Activity Tracking using OpenPose and modified Optical Flow" published in International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- Prafull Kumar, Priyam Halder, Rupak Dey, Sampriti Ghosh, **Sangeeta Bhattacharya, Mandira Banik,** "MiDoLS: A Microcontroller based Door Lock System" published in

International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.

- Biplab Roy, Aindrilla Majumder, Neela Chattopadhyay, **Sourish Mitra, Moley Dhar, Nirupam Saha, "Implementation of Voice Controlled Robot using Arduino: A Novel Approach"**, published in International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- Debleena Dutta, **Sangeeta Bhattacharya, Bidyutmala Saha, "HFRS: A Microcontroller based Human Face Recognition System"** published in International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- Ankita Adhikary, Amlan Dutta, **Mandira Banik, Amrut Ranjan Jena, Sudeep Ghosh, "Smart Home Automation based on sensors and Microcontroller"** published in International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- **Pritam Saha, Partha Pratim Dey, Pronoy Dewanjee, Amrut Ranjan Jena, Mandira Banik, "An Approach to Next Generation Lighting Method Using IoT and Gesture"** published in International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- Soumili Ganguly, Suparna Hazra, Swagata Sen, Tapanova Khanra, **Srabani Kundu , "Comparative Study of different Machine Learning Algorithms for Heart Disease Prediction"** published in International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.

- **Sourish Mitra, Sandip Kumar Shaw, Sandip Karmakar, Bidyutmala Saha, Rafiqul Islam, Santanu Kumar Sen, “IOT based Mobile controlled ORC (Orthospinal roundback Curvature)-Kyphosis detection and measurement technique of Human spine”** published in International Conference on Renewable Energy,2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>TH</sup> Feb, 2020.
- **Amrut Ranjan Jena, Mandira Banik, Sumit Banerjee, Anumita Das, “WORDPRO, an Open Source Smart Word Processing Tool using Web technology and Android”** published in International Conference on Renewable Energy,2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>TH</sup> Feb, 2020.
- **Srabani Kundu, “Micro Controller Based Automated Traffic Monitoring System”** published in International Conference on Renewable Energy,2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>TH</sup> Feb, 2020.
- **Amrut Ranjan Jena, “A Fuzzy Graph Recurrent Neural Network Approach for the Prediction of Radial Overcut in Electro Discharge Machining”** published in International Conference ICADCML 2020 (Springer Conference Proceeding with Scopus indexing) 30-31<sup>st</sup> January,2020
- **Mandira Banik, Subhadeep Saha, Sourav Basak, Subhrajit Roy, Suman Roy Choudhury, “Self Driving Car using Raspberry Pi”** published in International Conference on Renewable Energy,2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>TH</sup> Feb, 2020.
- **Pallabi Das, Nirupam Saha, Bishal Kumar Shaw, Bishal Lama, Sameema Nasrin, Rajveer Singh, “IoT Based Remote Monitoring System of Pregnant Women in Rural Area”** published in International Conference on Renewable Energy,2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>TH</sup> Feb, 2020.
- **Dr. Sangeeta Bhattacharyya, Bikramjit Das, Biplab Roy, Debanjana Ghosh, Ankita Adhikari, Diganta Das, ” DHaP: A Novel Neural Network based Digitization of Handwritten Prescription”**, published in International Conference on Renewable Energy,2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>TH</sup> Feb, 2020.
- **Subhadeep Saha, Mandira Banik, Sourav Basak, Subhrajit Roy, Suman Roy Choudhury, “Smart Home Automation based on Sensors and Microcontroller”** published in International Conference on Renewable Energy,2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>TH</sup> Feb, 2020.

- **Ipsita Saha, Yogesh Singh, Saswata Mukhopadhyay, “Processors for sustainability: An analysis of modern processors for power efficient IoT uses.”** published in International Conference on Renewable Energy, 2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>TH</sup> Feb, 2020.
- **Moloy Dhar, Jhumpa Das, Disha Gaine, Durba Dey, “Human Activity Recognition”** published in International Conference on Renewable Energy, 2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>TH</sup> Feb, 2020.

### International Journal

- **AMRUT RANJAN JENA, “An Integrated Approach for Prediction of Radial Overcut in Electro Discharge Machining using Fuzzy Graph Recurrent Neural Network”** accepted for International Journal of Embedded Systems [FREE JOURNAL], Scopus Indexed, SCI Indexed, Elsevier, May 2020 (Accepted) impact factor-0.34, <https://www.inderscience.com/info/inissues.php?jcode=ijes>
- Sandip Kumar Karmakar, Sandip Shaw, Sourish Mitra, **“IoT Based Finger-Print-Scanning-Biometric-Panel With Advanced Infra-Thermal-Scanning Strategy Comprising Of Automated Sanitizer-Spraying-Disinfectant-Gateway-Tunnel”** published in international Journal International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, ISSN and UGC Approved, 5.75 Impact factor.
- Rohan Chakroborty, Subhajit Sanyal, Pallabi Das, **“IoT based Thermal Signature Detector with Alarm & E-mail Notification with Integrated Social Gathering Screening using Computer Vision”** published in The International Journal of Emerging Technology and Advanced Engineering-ISSN 2250–2459, Volume 10, Issue 4, pp-164-171, April 2020 UGC Approved, Impact Factor of 6.351.
- Biplab Roy, Aindrilla Majumder, Neela Chattopadhyay, **Moloy Dhar, Amrut Ranjan Jena, Mandira Banik** “Implementation of Voice Controlled Robot using Arduino: A Novel Approach” published in International Journal of Emerging Technology and Advanced Engineering (ISSN 2250–2459(Online), An ISO 9001:2008 Certified Journal), Volume 10, Issue 04, April, 2020.
- Somalina Chowdhury, **Santanu Kr. Sen, "Security in Smart Meter using IoT"** Published in scopus Index, Impact factor 1.0, in international Journal of Engineering and

Advanced Technology (IJEAT) at Volume-9 Issue-4 pg 2293-2295, April 2020 Issue on 30 April 2020.value of citation 6.02 (Scopus Indexed)

- **Amrut Ranjan Jena, “A Fuzzy Graph Recurrent Neural Network Approach for The Prediction of Radial Overcut in Electro Discharge Machining”** (Proceedings of Springer Lecture Notes in Networks and Systems (LNNS) Book series),published in International Journal - Advances in Distributed computing and Machine learning, pp-257-270,June-2020.
- **Amrut Ranjan Jena,”A Fuzzy Graph Neural Network Approach for the Prediction of Radial Overcut in Electro Discharge Machining”**, accepted in International Journal IJSIR: Volume 13, Issue 1, Article 2. (Scopus Indexed, Springer)accepted.Feb,2020.

#### **DEPARTMENT: ASH**

#### **International Journal**

- **Sucharita Bhattacharyya & Anup Kumar Thander, “Study of H field using higher order compact (HOC) finite difference method in semi conductor rib wave guide structure”**,published in Journal of Optics (Springer, SCOPUS indexed), 2019, 48(3), 345-356, DOI 10.1007/s12596-019-00546-w ISSN: 0972-8821.
- **Soma Mukherjee, “Structural Characterization and transport properties of a bioactive glass”** communicated in Acta Biomaterialia (Elsevier) ,April-2020

#### **DEPARTMENT: EE**

#### **International Conference**

- **J.K. Das, Somalina Chowdhury,“IoT base Auto Selection of Utility and Tariff”**, published in International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.

- **Rikta Majumder**, Syead Nawas Sarif, Umapati Majhi, “**LI-FI(Light Fidelity) Based High Data Rate Visible Light Communication For Data And Audio Transmission**”, published in International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- **Barnali Kundu**, Arghya Sarkar “**Neural Network based Maximum Power Point Tracking in Grid Interfaced Photovoltaic System**” published in International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- Priyanka Dutta, **Madhumita Chakraborty**, “**Automatic railway signal and gate controlling system using relay and LDR**”, published in International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- **Madhumita Chakraborty**, Priyanka Dutta,” **Power generation through footstep**”, published in International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- **Debasree Saha**, B. K. Saha Roy, P. N. Das, “**A Secure Relay Setting for Protection Coordination in Renewable Energy-Based Distribution system**” , published in International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- **Shyamal Kumar Roy**, Amit Debnath, Pritam Chowdhury, “**Design Mems Based Piezoelectric Micromotor & It's Applications**”, published in International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- Shyamal Kumar Roy, **Suman Ghosh**, Amit Debnath, Pritam Chowdhury, "**Numerical Study in a Plasma Etch Reactor**", published in International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- Ritwik Ray Chaudhuri, Rishi Pradhan, Samprit Bandyopadhyay, Ronit Dutta, **Suman Ghosh**, "**Design and Development of Real-Time and Low-Cost Arduino based Electronic Voting Machine (EVM)**", published in International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.



- **Susovan Dutta**, Anshumita Banerjee , Amit Agarwal , Prashant Shaw “**Smart Automatic Railway Gate Control based on IoT system**” published in International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- **Priyanka Dutta**, “**Single phase transformerless grid connected solar PV system with auto-synchroniser**”, published in International Congress On Renewable Energy, 2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>th</sup> Feb. 2020.
- **Priyanka Dutta**, “**Arduino Based Parking Lot**”,published in International Congress On Renewable Energy, 2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>th</sup> Feb. 2020.
- **Debasree Saha**, “**Solar cooker (Box type)**”,published in International Congress On Renewable Energy, 2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>th</sup> Feb. 2020.
- **Debasree Saha**, “**Solar Car**”,published in International Congress On Renewable Energy, 2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>th</sup> Feb. 2020.
- **R. Majumder, D .Saha, J K Das, SusovanDutta, Barnali kundu**, “**Adaptive Protection Schemes for Wide Area Network: A Review**”,published in International Congress On Renewable Energy, 2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>th</sup> Feb. 2020.
- **Debasree Saha**, “**Advance Railway Signaling & Crossing System Using SCADA**”,published in International Congress On Renewable Energy, 2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>th</sup> Feb. 2020.
- **SumanGhosh**, “**Low Cost Fingerprint Based Electronic Voting Machine**”, published in International Congress On Renewable Energy, 2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>th</sup> Feb 2020.
- **Susovan Dutta** , “**Laboratory Prototype of a Smart Solar Air Cooler**”,published in International Congress On Renewable Energy, 2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>th</sup> Feb 2020.

- **PritamChowdhury, “Assortment of different charging portal and charging schemes of various cars in EHV charging stations”**, published in International Congress On Renewable Energy, 2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>th</sup> Feb 2020.
- **Shyamal Kumar Roy, Suman Ghosh , “Neural Protective Relay”**, published in International Congress On Renewable Energy, 2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>th</sup> Feb 2020.
- **Shyamal Kumar Roy, Suman Ghosh , “Static series compensator and static transfer switch for voltage dip mitigation with short interruptions”**, published in International Congress On Renewable Energy, 2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>th</sup> Feb 2020.
- **AmitDebnath, “Automatic Street Lights Control Using LDR”**, published in International Congress On Renewable Energy, 2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>th</sup> Feb. 2020.
- **AmitDebnath , “Bionic Glove: Universal Remote rehabilitation of the paralytics”**, published in International Congress On Renewable Energy, 2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>th</sup> Feb. 2020.
- **MadhumitaChakraborty, “Green House And Modern Gardening Technique”**,published in International Congress On Renewable Energy, 2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>th</sup> Feb. 2020.
- **MadhumitaChakraborty, “Blood vessel segmentation of fundus images using image processing”**,published in International Congress On Renewable Energy, 2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>th</sup> Feb. 2020.
- **PritamChowdhury, “Load capacity management of different charging station located in urban area in Kolkata”**,published in International Congress On Renewable Energy, 2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>th</sup> Feb. 2020.
- **BarnaliKundu, “Self-synchronized ADALINE based Photovoltaic Incorporated Shunt Active Power Filter”**,published in International Congress On Renewable Energy, 2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>th</sup> Feb. 2020.

- **BarnaliKundu**, “Automatic room light controller using Microcontroller and visitors counter”, published in International Congress On Renewable Energy, 2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>th</sup> Feb. 2020.
- **R. Majumder**, “Automatic home lighting solution using human detection, sunlight intensity & room temperature sensor”, published in International Congress On Renewable Energy, 2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>th</sup> Feb. 2020.
- **RiktaMajumder**, “Flame Seeker and Extinguishing Robot”, published in International Congress On Renewable Energy, 2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>th</sup> Feb 2020.
- **SusovanDutta** ,“Development of a Low Cost Automated Fire Fighting Robot”, published in Forum of Scientists, Engineers & Technologists (FOSET 2020), 11th Inter University Engineering, Science & Technology Academic Meet – 2020 & Innovative Model Competition for a Sustainable Society, 15<sup>th</sup>March 2020.
- **SumanGhosh, J K Das, Chandan Kr. Chanda**, “Design and VAR Control of a Grid Connected Microgrid System with the Help of PMUs”, 2nd International Conference on Energy Systems, Drives and Automations, ESDA 2019, ISBN 81-85824-46-2, Kolkata, 28th and 29th December, 2019.

### International Journal

- **Suman Ghosh, J. K. Das , Chandan Kr. Chanda**, "A Unique Case Study on Real Valued Cost Analysis of a Small Solar Plant". Proceedings of ESDA2019, LNEE Book, Springer, ISBN 978-981-15-5089-8, Submitted on Mar 12, 2020(Communicated).
- **Suman Ghosh, J. K. Das , Chandan Kr. Chanda**, "Reactive Power Control Of A Real Valued Dvc Grid Connected Microgrid System With The Help Of Optimally Placed Pmu", Journal of 'Electrical Engineering' Springer, ISSN-1432-0487, Submitted on May 1, 2020. (Communicated).

**DEPARTMENT: IT****International Conference**

- **Chowdhury Md. Mizan**, Pradipta karmakar “**Discrimination of Text and Non-Text Image**” International Conference on Emerging Trends in Electro-Mechanical Technologies and Management (TEMT-2019),24-27 July, 2019. Proceedings in Springer, Indexes by Scopus.
- **Tridib Chakraborty, Sudeep Ghosh, Suparna Karmakar**, Puja Mukherjee, Niladri Sen, Sandipan Kar “**Visual Cryptography for Online Certificate Authentication**”. Published in International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- **Sudeep Ghosh, Mandira Banik, Tridib Chakraborty**, Arkajyoti Chakraborty “**Repairing of functional TSVs Using Redundant TSVs.**” published in International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- **Trishita Ghosh**, Monishankar Nath, Arnab Banerjee, Prithwish Das “**Congestion Control Approach by Controlling Number of Messages dynamically and by sharing the.**” published in International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- **Chowdhury Md. Mizan**, Rizwi Salim, Kumarika Mukherjee “**Text detection from camera captured image**” published in International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.
- **Tridib Chakraborty, Sudeep Ghosh, Trishita Ghosh, Chowdury Md Mizan, Soumyadipta Basu** “**A novel approach for Energy Optimization at Server Side Applications**”, published in International Conference on Renewable Energy,2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>TH</sup> Feb, 2020.
- **Sudeep Ghosh, TridibChakraborty, Chowdhury Md. Mizan, Trishita Ghosh,Silvia Das** “**An Energy Efficient Architecture to repair Clustered Fault in 3D IC**” published in International Conference on Renewable Energy,2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>TH</sup> Feb, 2020.

- **Suparna Karmakar, Chowdhury Md. Mizan, Sudeep Ghosh, Tridib Chakraborty, Subhojit Dey** “A First Order Hybrid Petri Net Model for Analysis of Building Power flow in Microgrid”, published in International Conference on Renewable Energy, 2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>TH</sup> Feb, 2020.
- **Suparna Karmakar, Tridib Chakraborty, Sudeep Ghosh, Trishita Ghosh, Madhurima Pan** “Generalised Stochastic Petri Net based Modelling Approach for Optimal Energy Management Strategy in aeronautical networks”, published in International Conference on Renewable Energy, 2020 (ICORE 2020), ISBN No: 978935396-201-2, 7-8<sup>TH</sup> Feb, 2020.

**DEPARTMENT: FT**

**International Seminar / Conference**

- **Dr. Kakali Bandyopadhyay & Ms. Shairee Ganguly** (2019) “Comparison of Frying Stability of Vegetable Oil with and Without Adding Black Cumin Seeds” Abstract Accepted and Presented in International Conference “FEMAS 2019” organized by GNIT, held on 26<sup>th</sup> and 27<sup>th</sup> September, 2019.
- **Dr. Kakali Bandyopadhyay, Ms. Shairee Ganguly, Ms. Dolanchapa Sikdar** (2019) “Enhancement of Nutraceutical Characteristics Baked Products” Abstract Accepted and Presented in International Conference “FEMAS 2019” organized by GNIT, held on 26<sup>th</sup> and 27<sup>th</sup> September, 2019.
- **Ms. Rosalin Nath, Ms. Dolanchapa Sikdar** (2019) "Effect of Irradiation on Food: Review" Abstract Accepted and Presented in International Conference “FEMAS 2019” organized by GNIT, held on 26<sup>th</sup> and 27<sup>th</sup> September, 2019.
- **Ms. Dolanchapa Sikdar & Dr. Anju Paul** (2019) “Fortification of Ice Cream” Abstract Accepted and Presented in International Conference “FEMAS 2019” organized by GNIT, held on 26<sup>th</sup> and 27<sup>th</sup> September, 2019.
- **Ms. Rosalin Nath, Ms. Dolanchapa Sikdar** (2019) “A Review on Citrus Fruit Peels as Potential Source of Some Beneficial Nutrients” Abstract Accepted and Presented in International Conference “FEMAS 2019” organized by GNIT, held on 26<sup>th</sup> and 27<sup>th</sup> September, 2019.

- **Ms. Dolanchapa Sikdar & Ms. Shairee Ganguly (2019) “IMF: Enhance The Self Life of Food”** Abstract Accepted and Presented in International Conference “**FEMAS 2019**” organized by GNIT, held on 26<sup>th</sup> and 27<sup>th</sup> September, 2019.
- **Ms. Rosalin Nath, Dr. Deborshi De & Dr. Kakali Bandyopadhyay (2019) “Role of Neuropsychology – affecting individual discretion in food selection”** Abstract Accepted and Presented in International Conference “**FEMAS 2019**” organized by GNIT, held on 26<sup>th</sup> and 27<sup>th</sup> September, 2019.
- **Ms. Shairee Ganguly, Ms. Rosalin Nath (2019) “Therapeutic Foods: A Solution for Malnutrition at a Low Cost”** Abstract Accepted and Presented in International Conference “**FEMAS 2019**” organized by GNIT, held on 26<sup>th</sup> and 27<sup>th</sup> September, 2019.
- **Ms. Dolanchapa Sikdar, Ms. Rosalin Nath, (2020) “A review on energy conversion from rice straw waste”** Abstract Published and Presented in International Conference **ICORE 2020 (ISBN: 978-93-5396-201-2)** organized by GNIT in collaboration with SESI held on 7<sup>th</sup> and 8<sup>th</sup> February .
- **Ms. Shairee Ganguly , Ms. Dolanchapa Sikdar (2020) “Food coloring: Improving of the Appearance of Food”** Abstract Published and Presented in International Conference **ICORE 2020 (ISBN: 978-93-5396-201-2)** organized by GNIT in collaboration with SESI held on 7<sup>th</sup> and 8<sup>th</sup> February .
- **Dr. Kakali Bandyopadhyay, Ms. Shairee Ganguly (2020) “Sesame Protein Isolates: Potential Sources of Nutrition”** Abstract Published and Presented in International Conference **ICORE 2020 (ISBN: 978-93-5396-201-2)** organized by GNIT in collaboration with SESI held on 7<sup>th</sup> and 8<sup>th</sup> February .
- **Ms. Dolanchapa Sikdar, Dr. Anju Paul (2020) “Application of Various Techniques for Meat Preservation”** Abstract Published and Presented in International Conference **ICORE 2020 (ISBN: 978-93-5396-201-2)** organized by GNIT in collaboration with SESI held on 7<sup>th</sup> and 8<sup>th</sup> February .
- **Dr. Sreyashee Basu, Dr. Anju Paul (2020) “Effect of coffee on human Health”** Abstract Published and Presented in International Conference **ICORE 2020 (ISBN: 978-93-5396-201-2)** organized by GNIT in collaboration with SESI held on 7<sup>th</sup> and 8<sup>th</sup> February.
- **Dr. Anju Paul (2020) “A review on cold plasma technology in food processing”** Abstract Published and Presented in International Conference **ICORE 2020 (ISBN:**

**978-93-5396-201-2)** organized by GNIT in collaboration with SESI held on 7<sup>th</sup> and 8<sup>th</sup> February .

- **Dr. Anju Paul, Ms. Rosalin Nath, (2020) “Review on utilization of pineapple waste”** Abstract Published and Presented in International Conference **ICORE 2020 (ISBN: 978-93-5396-201-2)** organized by GNIT in collaboration with SESI held on 7<sup>th</sup> and 8<sup>th</sup> February .

### International Journal

- **Dr. Kakali Bandyopadhyay, Ms. Shairee Ganguly "A Review on Microbial-Pigment: A Good Source of Biocolour"** *The Pharma Innovation Journal*, **2019; 8(5): 397-398**, ISSN (P): 2349-8242, NAAS Rating 5.03, Impact Factor 5.98, ICV:82.77. Peer Reviewed Journal, Refereed Journal, Indexed Journal.
- **Ms. Rosalin Nath, Dr. Kakali Bandyopadhyay, Ms. Dolanchapa Sikdar “A Review on Mushroom: A Cancer Antidote”**, *Journal of Emerging Technologies and Innovative Research* **6(12):764-774 (2019)**, (ISSN-2349-5162) Impact Factor-5.87
- **Dr. Anju Paul “A review on extraction of glucose from rice”** *The Pharma Innovation Journal*, **2019; 8(5): 397-398**, ISSN (P): 2349-8242, NAAS Rating 5.03, Impact Factor 5.98, ICV:82.77. Peer Reviewed Journal, Refereed Journal, Indexed Journal.
- **Dr. Kakali Bandyopadhyay, Ms. Shairee Ganguly “Hibiscus Petal, Fortified Fruit Juice- A Health Drink.”**, *International journal of Creative Research Thought*, 2020; 8(April) 2020, ISSN: 2320-2882, Impact factor: 7.9.(NAAS Rating)
- **Dr. Kakali Bandyopadhyay, Ms. Shairee Ganguly, ”Development and Characterization of Biocolour Fortified Yogurt: A New Pathway towards Functional Foods”**, *International Journal of Engineering Trends and Technology (IJETT)*, 68(May):1-6,(2020) ISSN: 2231-5381. Impact Factor: 2.88, doi:10.14445/22315381/IJETT-V68I4P201,SSCOPUS indexed.
- **Dr. Kakali Bandyopadhyay, “Study of Combined Action of Papaya Leaf Extract, Pomegranate and Lemon”- A Review**, *International Journal for Modern Trends in Science and Technology* ISSN: 2455-3778, 6(May):67-71, 2020, Web of Science ResearcherID [AAJ-4390-2020](https://orcid.org/0000-0001-9142-4390), impact factor: 3.320, Elsevier Indexed.

- **Ms. Dolanchapa Sikdar, Ms. Rosalin Nath, Dr. Kakali Bandyopadhyay and Ishon Mollick,”Fortifications in Ice-cream with enhanced functional properties: A Review”**, International Journal for Modern Trends in Science and Technology ISSN: 2455-3778, 6(May): 2020 Web of Science, ResearcherID AAJ-4390-2020, impact factor: 3.320, Elsevier Indexed.

**DEPARTMENT: AEIE**

**International Conference**

- **Bapita Roy , Sanghamitra Layek, Suparna Maity, Arpan Kumar Lahiri, Debasish Basu, Sumon Das “An Integrated Approach for prototype design of a Structural Health Monitoring of Bridge”**, FEMAS 2019, September 26-27 at GNIT, Kolkata, India.
- **Suparna Maity, Bapita Roy, Santana Das, Sanghamitra Layek, Anirban Saha, Subhajit Kumar Hooi “ Smart way to design a high end Home Electrical Automation”** FEMAS 2019, September 26-27 at GNIT, Kolkata, India.
- **Sanghamitra Layek, Santana Das, Bapita Roy, Suparna Maity, Abhishek Shil, Upasana Roy Chowdhury “Analysis of Sweat Gland Activity and Electrical Resistance of Skin by GSR Meter”** FEMAS 2019, September 26-27 at GNIT, Kolkata, India.
- **Santana Das, Sanghamitra Layek, Suparna Maity, Tathagata Chatterjee, Atreyee Das, Subrit Dey “Design and Fabrication of Economical Anemometric Type Blood Flow Measuring Instrument”** FEMAS 2019, September 26-27 at GNIT, Kolkata, India.
- **Paramita Banerjee, Sunipa Roy “Technological development of Piezoelectric mass sensor: A Review”** FEMAS 2019, September 26-27 at GNIT, Kolkata, India.
- **Sudip Kuila, Sanghamitra Layek , Swagat Das ,Tamasha Paul,Souvik Das “Assessment of diabetes through Exhalation”** ICORE 2020, February 6-7 at GNIT, Kolkata, India.
- **Bapita Roy, Paramita Banerjee, Sayani Dey, Shilpita Hazra, Sonali Das “Development of Non-Contact Type Surface Roughness Measurement System”** ICFTTAE 2020 at NIT, Kolkata, India.
- **Sudip Kuila, Surajit Bagchi “Noninvasive Assesment of Diaberis Mellitus”** ICFTTAE 2020 at NIT, Kolkata, India.



### **International Journal**

- **Bapita Roy, Prof.Dr.Rajib Chakraborty, "A novel method to study the characteristics of a plasmonic pressure sensors by semi analytical process"**, International Journal of Applied Optics, Impact Factor: 1.784 Total Citations: 38,885 (ranked 4th out of 86 journals), Eigen Factor Score: 0.04119 (ranked 5th out of 86 journals) Impact Factor: 1.784 Total Citations: 38,885 (ranked 4th out of 86 journals), Eigen Factor Score: 0.04119 (ranked 5th out of 86 journals), SCI indexed. According to Optics category rankings in the 2015 Journal Citation Reports.

#### **DEPARTMENT: CA**

### **International Conference**

- **J.K. Das, Somalina Chowdhury, "IoT base Auto Selection of Utility and Tariff"**, published in International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26-27th Sep, 2019.

### **International Journal**

- **Somalina Chowdhury, Santanu Kr. Sen, "Security in Smart Meter using IoT"** Published in scopus Index, Impact factor 1.0, in international Journal of Engineering and Advanced Technology (IJEAT) at Volume-9 Issue-4 pg 2293-2295, April 2020 Issue on 30 April 2020. value of citation 6.02 (Scopus Indexed)

**2018-19**

#### **DEPARTMENT: FT**

### National Seminar / Conference

- **Kakali Bandyopadhyay.** (2018). “Studies on the Effects of Fortification in Soybean Oil During Frying” Article published in OTAI Annual News Letter 2018
- **Anju Paul (2018).** “Insect as Food” Abstract published in Seminar proceedings of National Seminar on “Recent Innovations in Food and Nutritional Sciences” Organized by Department of Nutrition Mugberia Gangadhar Mahavidyalaya In collaboration with Internal Quality Assurance Cell, Mugberia Gangadhar Mahavidyalaya, held on 31<sup>st</sup> August, 2018.
- **Shairee Ganguly (2019),** “Preparation of Ber Jam”, Abstract published in Seminar proceedings of National Seminar on “12<sup>th</sup> all India Peoples’ Technology Congress” organized by FOSET, held on 17<sup>th</sup> Feb, 2019.
- **Shairee Ganguly. Arka Roy Chowdhury (2019),** “Banana Pseudo Stem – An Unexplored Possibility”, Abstract published in Seminar proceedings of National Seminar on “12<sup>th</sup> all India Peoples’ Technology Congress” organized by FOSET, held on 17<sup>th</sup> Feb, 2019.
- **Dr. Anju Paul (2019),** “Migration of Toxic Chemicals Compounds in Food Form Packaging Material” Abstract published in Seminar proceedings of National Seminar on “12<sup>th</sup> all India Peoples’ Technology Congress” organized by FOSET, held on 17<sup>th</sup> Feb, 2019.
- **Dr. Anju Paul (2019),** “Production of Dietary Fiber from Fruit Waste” Abstract published in Seminar proceedings of National Seminar on “12<sup>th</sup> all India Peoples’ Technology Congress” organized by FOSET, held on 17<sup>th</sup> Feb, 2019.
- **Dr. Kakali Bandyopadhyay, Shairee Ganguly. (2019),** “Vegetable Skin Powder – Utilization of Nutritional Active Vegetable Leftovers” Abstract published in Seminar proceedings of National Seminar on “12<sup>th</sup> all India Peoples’ Technology Congress” organized by FOSET, held on 17<sup>th</sup> Feb, 2019.
- **Dr. Anju Paul.** (2018) “Vitamin D : Some Important Informations” -Full paper published in Popular Science-Sharadiya Sankhya- Sep-Oct 2018.
- **Dr. Anju Paul** (2019) “Dairy Sheep Farming for Doubling the Farmer Income” -Full Paper published in Indian Dairyman, Feb 2019, Vol 71, No. 2, ISSN 0019-4603.

### International Journal

- **Anju Paul, Sreyasree Basu, Mainak Debnath and Amit Kumar Barman ,** “ A veteran vitamin in versatile role: Vit K, **The Pharma Innovation Journal**, 7(9): 337-342 (2018), ISSN (E): 2277- 7695, ISSN (P): 2349-8242, NAAS Rating 5.03

- **Dr. Kakali Bandyopadhyay and Ms. Shairee Ganguly**, “Development and characterization of Biocolor (*Brassica oleracea* var. capitata f.rubra) fortified lime squash”, **The Pharma Innovation Journal**, ISSN (E): 2277- 7695 (2018), ISSN (P): 2349-8242, NAAS Rating 5.03.
- **Dr. Kakali Bandyopadhyay and Ms. Shairee Ganguly**, “A Relative Study on Utilization of Fenugreek Seeds for Enhancement of the Antioxidant Activities in Various Baked Product”, **International Journal of Agriculture & Environmental Science**, ISSN 2394 – 2568 (2019), Impact Factor 1.47.
- Kakali Bandyopadhyay and Shairee Ganguly, “Studies on Extraction of **Polyphenols from Food Wastes and Its Utilization for Fortification of Polyphenols**”, *International Journal Of Agricultural Engineering*, 11(1):216-219 (2018) ISSN (E): 0976-7223, ISSN (P): 0974-2662, NAAS Rating 4.43.
- **Dr. Anju Paul Analysis and study on the antioxidant of citrus fruits**, *The Pharma Innovation Journal*, **2019; 8(5): 397-398**, ISSN (P): 2349-8242, NAAS Rating 5.03, Impact Factor 5.98, ICV:82.77. Peer Reviewed Journal, Refereed Journal, Indexed Journal.(2019).

#### **DEPARTMENT: ASH**

#### **National Seminar / Conference**

- **Sourav Pal, Sourav Paul, Mainak Debnath, Indrajit Bhattacharyya, Sreyasree Basu\***, “A Survey of Drinking Water Quality Parameters in different Districts of West Bengal”, 3<sup>rd</sup> Regional Science and Technology Congress (Southern region), 2018, held during 18-19 December, 2018 organized by Bidhannagar College, Govt. of West Bengal and Department of Science and Technology and Bio-technology, Govt. of West Bengal.

#### **International Seminar / Conference**

- **Rajarshi Chakraborty, Arnab dey and Dr. Ratan Mandal**, "Conceptual approach of a Solar Thermal Steam Generator and its design & optimization” presented in International Conference of Sustainable Waste Management 8th ICON SWM 2018 held at Acharaya Nagarjuna University, Vijaywada during November 22-24,2018.

- **Sucharita Bhattacharyya, Souvick De, Shilajit Dey** (Guru Nanak Institute of Technology) & **Anwesh Bhowmick** (Guru Nanak Institute of Pharmaceutical Science and Technology) "Collapse of natural carcass disposal system – Kolkata rotten meat incidence: The insight study". Paper accepted for oral presentation at 8th ICON SWM 2018 during (22-24) November, 2018 at Acharjya Nagarjuna University, Guntur Vijaywada.
- **Anup Kumar Thander, Sucharita Bhattacharyya** "Application of Higher Order Compact (HOC) FDM in combination with Successive over Relaxation (SOR) method in Optical Waveguide Communication problems." Paper accepted for oral presentation at ICCACCS-2018 during (23-24) November 2018 at NIT, Agarpara.
- **Sreyasree Basu\*, Indrajit Bhattacharyya, Mainak Debnath and Arup Mukherjee** (UGC Professor, Dept. of Bio Technology, MAKAUT, Haringhata), "Exploring the conceit structural behavior of Guar gum: Why the polysaccharide is a must in Italian ice cream?" International conference of Carbohydrate Chemistry, held during 19-21 December, 2018 at IISER, Kolkata.

#### International Journal

- **Sreyasree Basu, Arup Mukherjee, Sonia Kundu\***, "Semi-interpenetrating hydrogels from carboxymethyl guar gum and gelatin for ciprofloxacin sustained release", *International Journal of Biological Macromolecules (ELSEVIER)*, 120 (2018) 1823–1833, ISSN: 0141-8130.
- **Anju Paul, Sreyasree Basu, Mainak Debnath, Amit Kumar Barman**, "A veteran vitamin in versatile role: Vit K", *The Pharma Innovation Journal*, 2018, 7(9), 337-342, E-ISSN: 2277-7695, P-ISSN: 2349-8242, NAAS Rating: 5.03
- **Chinmay Ghosh, Sanjoy Biswas**, "On the hyperbolic valued measure", *Emerging Trends in Electronic Devices and Computational Techniques*, DOI: 10.1109/EDCT.2018.8405075, Publisher: IEEE, ISBN No.978-1-5386-1484-6

**DEPARTMENT: CSE**

**National Seminar/Conference**

- Moloy Dhar ,”**Implementation of Driverless Pod Using Voice Commands**” published in National conference, FOSET, NSHM KNOWLEDGE CAMPUS, 124 B.L. Saha Road, Kolkata – 700053,31ST MARCH, 2019.
- Ipsita Saha”**A sustainable Solution towards E-waste Recycling**”,published on International Society of Waste Management, Air and Water Consortium of Researchers in International Colaboration(ISWMAW), 20 th April, 2019,IEM Kolkata.

### International Conference

- Ipsita Saha, Amit Kundu, Sadhan Kumar Ghosh, “**A Business Model for Enterprise Resource Planning (ERP) by Establishing a Sustainable Supply Chain Management**”, 8th International Conference on Solid Waste Management at Achharyya Nagarjuna University, Vijaywada, pp.160 – 165, 22nd -24th November, 2018.
- Rahul Baidya, Ipsita Saha, Tapobrata Bhattacharya , Sadhan Kumar Ghosh,”**Sustainable Waste Transportation in Kolkata Using DBMS and Image Sensing**”, 8th International Conference on Solid Waste Management at Achharyya Nagarjuna University, Vijaywada, pp. 306 – 311,22nd - 24th November, 2018.
- Avirup Das, Srabani Kundu, ”**To protect ecological system from electromagnetic radiation of mobile communication**”, International Conference on Distributed Computing and Networking (ICDCN 2019),PP-469-473.November-2018.
- Sayani Chandra,”**Microcontroller Based Automated Room Light & Fan controller**”,IEEE Explore,ISBN:978-1-5386-1484-6,doi: 10.1109/ EDCT.2018.8405097 ,September-2018.
- Ipsita Saha,”**Implementing Extended Producer Responsibility into the ERP model**”pp. 1-5, IEEE Explore,ISBN:978-1-5386-1484-6,doi: 10.1109/ EDCT.2018.8405097 ,September-2018.
- Moloy Dhar,” **Design of Driverless Pod Using Voice Commands : A Novel Approach**”, published in ICEECC-2019, Pailan College of Management & Technology, April 26-27, 2019.

### International Journal

- Sandip Kumar Karmakar, Poulomi Kumar, Prothit Das, Rinki Dutta, Suman Roy Choudhury, Bidyutmala Saha, Rafiqul Islam, Sourish Mitra, “**A Microcontroller Operated LASER based Railway Gate and Signal Controlling System with Efficient Accident Prevention Strategy via IP-Webcam related Video-Surveillancing**” published on International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98;

SJ Impact Factor: 6.887 Volume 7, Thompson Reuters indexed, UGC recognized, Issue IV, Apr 2019.

- Surajit Das, Rajib Bhowmik, Sanjay Dey, Shiladitya Saha, Sourish Mitra, Sayani Chandra, Pallabi Das, Ipsita Saha "**Bluetooth Controlled Farming Machine using Arduino**" published in International Journal-IJRASET, Thomson Reuter Researcher ID: N-9681- 2016 ,Scientific Journal Impact Factor: 6.887, ISRA Journal Impact Factor: 4.895, ISSN-, 2321-9653, pp-2262-2269 April, 2019.
- Prithwish Roy, Puja Mandol, Rajaditya Pramanik, Rupak Bhowmik, Samarpita Bhowmick, Sayani Chandra, Sourish Mitra, Pallabi Das, "**Microcontroller based Fire Extinguisher with Bluetooth operated LPG Gas Leakage Detection and Prevention System**", published in International Journal-IJRASET, Thomson Reuter Researcher ID: N-9681- 2016 ,Scientific Journal Impact Factor: 6.887, ISRA Journal Impact Factor: 4.895, ISSN-, 2321-9653, April, 2019.
- Tuhina Basu, Sraboni Kundu, Nirupam Saha, Sourish Mitra, Sayani Chandra, Sangeeta Bhattacharya, Ipsita Saha, Bidyutmal Saha, "**A Wireless Framework for Emergency Health Care System**" published in International Journal-IJRASET, Thomson Reuter Researcher ID: N-9681- 2016 ,Scientific Journal Impact Factor: 6.887, ISRA Journal Impact Factor: 4.895, ISSN- 2321-9653, April, 2019.
- Subhasis Thakur, Subhashis Thakur, Sourav Nandy, Sujoy Maikap, Sudeshna Ghosh, Souvik Sur, Moloy Dhar , Sourish Mitra, Srabani Kundu "**Bluetooth Based Microcontroller Operated Baby Bed Security System with IP Webcam Video Monitoring**" published in International Journal-IJRASET, Thomson Reuter Researcher ID: N-9681- 2016 ,Scientific Journal Impact Factor: 6.887, ISRA Journal Impact Factor: 4.895, ISSN-, 2321-9653, April, 2019.
- Anindita Ghosh, Debolina Mukherjee, Deepjyoti Das, Manisha Chakraborty, Sayani Chandra, Sourish Mitra, Nirupam Saha, Ipsita Saha, "**Colour based Product Organization Tool using Arduino**" published in International Journal-IJRASET, Thomson Reuter Researcher ID: N-9681- 2016 ,Scientific Journal Impact Factor: 6.887, ISRA Journal Impact Factor: 4.895, ISSN-, 2321-9653, April, 2019

#### **DEPARTMENT: AEIE**

#### **International Journal**

- **Bapita Roy**, Rajib Chakraborty , " Segmented multimode to dual port slot couplers as compact optical sensors with improved sensitivity "Journal of Modern Optics, SCI indexed, impact factor: 1.267 ISSN: 0950-0340 (Print) 1362-3044 (Online) Journal homepage: <http://www.tandfonline.com/loi/tmop20>

### International Conference

- **Paramita Banerjee**, Ratna Ghosh and Bhaswati Goswami, " Analysis of major mode of vibration of a RFA based dental implant stability measuring sensor with varying length of L arm", IEEE Conference on Applied Signal Processing 2018, December 7-9, 2018 at JadavpurUniversity.
- **Paramita Banerjee**, Ratna Ghosh,"Electrical equivalent cascade model of piezoelectric based sensor", IEEE Conference on Applied Signal Processing 2018, December 7-9, 2018 at Jadavpur University.
- Debojyoti Banerjee, **Paramita Banerjee**, Bhaswati Goswami and Ratna Ghosh,"Electrical equivalent cascade model of piezoelectric based sensor", IEEE Conference on Applied Signal Processing 2018, December 7-9, 2018 at Jadavpur University.

### DEPATMENT: IT

### International Conference

- Suparna Karmakar,"**Activity Oriented Petri Net Model Based Realization of Airport Apron Traffic Dynamics Modelling**"; International Conference on Electrical, Electronics,Computer Science & Civil Engineering (ICEECC-2019) April 26-27 , 2019 .
- Tridib Chakraborty, "**Monitoring Suspicious Discussions on Social Media Case Study**"; International Conference on Electrical, Electronics, Computer Science & Civil Engineering (ICEECC-2019) April 26-27, 2019.
- Chowdhury MdMizan,"**Matrix method for distinction between Text and Non-text Images**"; International Conference on Electrical, Electronics, Computer Science & Civil Engineering (ICEECC-2019) April 26-27 , 2019 .
- **Sudeep Ghosh**, "Clustered Fault Tolerance Redundant TSVs Placement for 3D Integrated Circuit" 37th IEEE International Conference on Computer Design (IEEE ICCD'19), November 17 - 20, 2019, New York University – Abu Dhabi Campus, United Arab Emirates (U.A.E.). (Communicated).

- **TridibChakraborty**, IpsitaBera, IndraniDey “Market basket analysis-A formal approach” International Conference on Electrical, Electronics,Computer Science & Civil Engineering (ICEECC-2019), April 26-27.2019. Kolkata.

### International Journal

- Pradipta Karmakar, **Mizan Chowdhury**, SayakDasgupta, Saptaparna Das. “Distinction between text and non-text using Ensemble classifier.”International Journal of Computer Science and Engineering (ISSN: 2347-2693) Vol. 7, issue 5, May 2019.
- Pradipta Karmakar, **Mizan Chowdhury**, Sayak Dasgupta, and Tridib **Chakraborty**, “Mean Average Accuracy for text and non-text images using SVM classifier.” International Journal of Computer Science and Engineering (ISSN: 2347-2693) Vol. 7, issue 5, May 2019.
- **Sudeep Ghosh, Mandira Banik, Tridib Chakraborty**, Niraj Pandey, “TSV based 3D-SIC Testing” International Journal of Advance Research, Ideas and Innovations in Technology (IJARIIT) (ISSN:2454-132X) Page -1403-1406 Volume-5, Issue-3 ,June, 2019
- **Tridib Chakraborty, Trishita Ghosh, Sudeep Ghosh, Monishankar Nath**, “Hybrid routing protocol in Vehicular Ad-hoc Network,” International Journal of Advance Research, Ideas and Innovations in Technology (IJARIIT) (ISSN:2454-132X) Page -1385-1387 Volume-5, Issue-3, June, 2019.
- **Sudeep Ghosh, Mandira Banik,Tridib Chakraborty**, Rohan Rajak “International Journal of Scientific and Engineering Research (IJSER)” (ISSN-2229-5518) Volume 10, Issue 6, June 2019 .
- Indrani Dey, **Tridib Chakraborty, Trishita Ghosh, Chowdhury Md Mizan** “Intelligent Chatbot Using Machine Learning” Journal of Advance Research, Ideas and Innovations in Technology (IJARIIT) (ISSN:2454-132X) Page -1285-1288 Volume-5, Issue-3 ,June, 2019.



**DEPARTMENT: EE****National Seminar/Conference**

- **Sneha Sarkar, Sayoni Ghosh , Sayantan Saha, Dr. J K Das , Susovan Dutta,** “Development of a low cost IOT sensors suite framework for remote sensing applications”, 10th Academic Meet 2019 organised by FOSET on 31st March, 2019.
- **Anindita Ganguly, Sanjib Kumar Samanta, Roudri Samanta, Nilotpal Chakraborty, Neelakshi Ganguly and Aishik Panigrahi** ,“A Computational approach to broad Cardiac disorders in the light of Ayurveda” presented at FOSET, NSHM campus, 10<sup>th</sup> academic meet 2019.

**International Conference**

- **Sailesh Verma, Aniruddha Ghosh, Anindita Ganguly,** “Analysis of time delayed nonlinear equations using HF functions” 19<sup>th</sup>-21<sup>st</sup> July, 2018 presented at International Conference on Mathematical Modelling and Scientific computing (ICMMSC 2018 at IIT Indore).
- **Anindita Ganguly, Tathagata Roy Chowdhury, Suman Kumar Ghosh, Aishik Panigrahi, Nilotpal Chakraborty and Anirudhha Ghosh,** “Unidentified input observer: comparative study through Block pulse function and Hybrid function” presented at CIPR-2019, IEST Shibpur on 19-20 Jan.
- **Nilotpal Chakraborty, Anindita Ganguly, Neelakshi Ganguly,**”Solving Stochastic Differential equations by Hybrid Functions” presented at MSAST 2018, Indismart Hotel, Saltlake on 21-23 Dec 2018.

**International Journal**

- **Suman Ghosh, Dr. J. K. Das, Prof(Dr) Chandan Kr. Chanda,** “Placement of phasor measurement unit for complete observability of isolated micro grid system”, Microsystems Technologies, Springer, vol 25, issue 4, March 2019. **SCI Indexed**
- **Dr. J. K. Das et al** , “Power tracing & mapping of dynamic behaviour of a microgrid”, IE(I) Annual Technical Volume, April 2019. **ISBN : 978 – 81-939709-4-2, SCOPUS Indexed.**

- Barnali Kundu, S. Mondal, S. Roy, S. K. Giri, S. Pal “**Modelling and Analysis of Photovoltaic Grid Interfaced System using P&O Algorithm based MPPT**”, International Journal of Computer Sciences and Engineering, vol. 7, no. 18, pp. 226-230, May 2019.
- Debasree Saha, B. K. Saha Roy, P. N. Das, “ **Online adaptive protection scheme for electrical distribution network with high penetration of renewable energy sources**”, Journal of Engg. Research Vol. 8 No. (2) June 2019 pp. 242-258 (SCI indexed).

### **DEPARTMENT: ECE**

#### **National Seminar/Conference**

- Kausik Pal,”**GSM Based Home Automation System**” published in National conference, FOSET, NSHM KNOWLEDGE CAMPUS, 124 B.L. Saha Road, Kolkata – 700053, 31ST MARCH, 2019.
- Kausik Pal,”**Empowerment of Villages Through Technology**” published in National conference, FOSET, NSHM KNOWLEDGE CAMPUS, 124 B.L. Saha Road, Kolkata – 700053, 31ST MARCH, 2019.
- Dr. Sunipa Roy,” **Green Power Generation for Rural Development**” published in National conference, FOSET, NSHM KNOWLEDGE CAMPUS, 124 B.L. Saha Road, Kolkata – 700053, 31ST MARCH, 2019.
- Dr. Suparna Biswas, Mr. SayanRoy Chaudhuri,”**XOR Problem Solution Using Neural Network**” published in National conference, FOSET, NSHM KNOWLEDGE CAMPUS, 124 B.L. Saha Road, Kolkata – 700053, 31ST MARCH, 2019.

#### **International Journal**

- **Sunipa Roy et.al.** , “Facile Synthesis of ZnO Nanofoam on ZnO Nanowire for Hydrogen Gas Detection”, Published in Nanoscience and Nanotechnology Asia (Bentham Science), Article in press. (Impact factor: 0.73). **DOI** : 10.2174/2210681208666180927103948, November, 2018
- **Sunipa Roy et.al.** , “Development of microcontroller based integrated gas sensor system for detecting combustible gases”, Facile synthesis of multi-layer graphene by electrochemical

exfoliation using organic solvent, Nanotechnology Reviews (DE GRUYTER), Accepted, Article in press. (Impact factor: 1.945), October,2018.

- **Avali Ghosh, Sisir K. Das and Annapurna Das**, “Modeling of Via Interconnect through Pad in Printed Circuit Board”, accepted in The Applied Computational Electromagnetic Society Journal-ACES (SCI Expanded) on 09<sup>th</sup> Dec 2018.
- **Surajit Basak** , “Spectrum-aware outage minimizing cooperative routing in cognitive radio sensor networks”, **article in press in Springer Journal of Wireless Networks.**
- **Avali Ghosh, Sisir K. Das and Annapurna Das**,”Interference Effects of Via Interconnect in Three Layer Printed Circuit Board”,The Applied Computational Electromagnetic Society Journal ACES (SCI Expanded), Vol. 33, No. 9, September 2018, p1040-1047.
- A. Majumdar, S. K. Das, And A. Das, "Ultra Wide Band Cpw Fed Patch Antenna With Fractal Elements And Dgs For Wireless Application", Pier, Accepted On 9th July 2019.
- Poulomi Das, Pratyasha Mitra, Ankita Pal, Kaustuva Chakraborty and Surajit Basak, “*On BER Minimizing Routing and Power Allocation in Multi-Hop Cognitive Radio Ad-Hoc Networks*”, International Journal of Engineering Science and Computing (IJESC), vol. 9, no. 5, pp. 22288- 22290, May 2019.
- “Stability and Control of Quadcopter”, Avali Banerjee , Tanusri Roy, Titas Ghosh, Stuti Ghosh and Srijoni Malakar in **IJSRD - International Journal for Scientific Research & Development Vol. 7, Issue 03, 2019 ISSN (online): 2321-0613**, p1914-1918.
- "IoT Based Auto-Irrigation System for Agriculture", Avirup Mondal, Bikram Saha, Ananya Biswas, Anurima Majumdar, AntaraGhosal, International Journal of Emerging Science and Engineering (IJESE)' at Volume-6 Issue-4, June 2019

#### **International Conference**

- **Suparna Biswas**, “Compressive sensing based expression recognition”, **accepted in Second International Conference on Advanced Computational and Communication Paradigm (IEEE)** Will be held on 25-28 February 2019.
- Dr. Sunipa Roy,”**Synthesis of Multi Layer Graphene by Electrochemical Exfoliation using Alkaline Solvent**”, published in PRAYAS 2019 IET-UK (Kolkata LN), MCKV Institute of Engineering, April 27, 2019.

- Dr. Suparna Biswas, "**COMPRESSIVE SENSING BASED EXPRESSION RECOGNITION**" published in IEEE sponsored International Conference on Advanced Computational and Communication Paradigms, Sikkim Manipal Institute of Technology, Sikkim. April, 2019.
- Mr. Sayan Roy Chaudhuri, "**LASER Based Communication System**", published in PRAYAS 2019 IET-UK (Kolkata LN), MCKV Institute of Engineering, April 27, 2019.
- Soma Boral, "**Optimal Path Selection in Node-disjoined Multipath Routing in MANET Using AODV Protocol**" published in PRAYAS 2019 IET-UK (Kolkata LN), MCKV Institute of Engineering, April 27, 2019.
- Surajit Basak, "**On Network Lifetime Centric Resource Allocation in Multi-band Cognitive Radio Networks.**" published in PRAYAS 2019 IET-UK (Kolkata LN), MCKV Institute of Engineering, April 27, 2019.
- "PADMINI: AN INTELLIGENT WOMEN SAFETY DEVICE", Ayon Majhi, Atanu Kumar Bagh, Ankan Das, Ayon Maji, Anurima Majumdar, IEEE CASS TECHNICAL PAPER CONTEST 2019 Jointly Organized By IEEE CASS Student Branch Chapter And IEEE CASS Kolkata Section, 3rd May 2019
- "Li-Fi : Design And Implementation Of Visible Light Communication", Joy Das, Kushal Ghosh, Atanu Chowdhury, Arijit Bhukta, Anurima Majumdar, IEEE CASS TECHNICAL PAPER CONTEST 2019 Jointly Organized By IEEE CASS Student Branch Chapter And IEEE CASS Kolkata Section , 3rd May 2019

**2017-18**

**DEPARTMENT: CSE**

**International Journal**

- **Srabani Kundu, Bidyutmal Saha, Sourish Mitra**, "A Light Weight Distributed Algorithmic Approach for Optimal Deployment of Sensor Nodes over 3D Wireless Network System", accepted on IJRASET (International Journal for Research In Applied Science and Engineering Technology) UGC Approved (Journal No-45842 (ISSN-23219653, Thomson Reuters Researcher ID: N-9681- 2016, Scientific Journal Impact Factor: 6.887, IC Value: 45.98, Volume 5, Issue VIII, August 2017, August 2017).
- **Sourish Mitra**, "Arduino Based Bluetooth Operated Car Wiping Technique Using Android Mobile Phone" [PP-1794-1797] published on International Research Journal of Engineering and Technology e-ISSN: 2395-0056, p-ISSN: 2395-0072, Volume: 04, Issue: 12, Thompson-reuter researcher ID: A-5672-2016, Impact factor: 6.1, Dec-2017

### International Seminar / Conference

- **Ipsita Saha**, Amit Kundu, Sadhan Kumar Ghosh “ Exploring the rationale between ERP and EPR in Asian Countries using cloud based Approach” Accepted and invited for oral presentation at 7<sup>th</sup> International Conference on Solid Waste Management at PJTSAU, Hyderabad, Telengana on 15<sup>th</sup> -17<sup>th</sup> December,2017
- **Ipsita Saha**, Amit Kundu, Sadhan Kumar Ghosh “Organizational Perspective of Critical Success factor to establish ERP as a Sustainable Solution” Accepted and invited for oral presentation at 11<sup>th</sup> ISDSI International Conference at Indian Institute of Management Tiruchirappalli on December 28 - 30, 2017
- **Ipsita Saha**, Amit Kundu, Sadhan Kumar Ghosh “Cloud Computing Based Sustainable Approach towards E-waste Management in India” Accepted and invited for oral presentation at International Conference on Waste Management “RECYCLE-2018” at Indian Institute of Technology Guwahati, Guwahati, India on 22-24 February,2018.
- **Srabani Kundu**,”Boundary Detection and Area Estimation of an Event Region in Wireless Sensor Networks using Digital-Circles”,accepted on ICDCN’18: Workshops co-located with the International Conference on Distributed Computing and Networks 2018, January 4–7, 2018,Varanasi, India. ACM, New York, NY, USA, 2 pages. <https://doi.org/10.1145/3170521.3170542>
- Pallabi Das, Madhumita Banerjee, Monami Daw, Manisha Pal, Pragati Ghosh,“**Feature Detection of Autistic Gene using Genetic Algorithm**”Abstract published in International Conference on “Emerging Trends in Electronic Device and Computational Techniques” Organized by Guru Nanak Institute of Technology, Technical co-support by IEEE, held on 8<sup>th</sup> March, 2018.

### DEPARTMENT: FT

### International Seminar / Conference

- **Kakali Bandyopadhyay (2018)** “Application of optical sensors in determination of light absorbent of purple cabbage fortified lime squash”- Abstract published in International Conference on “Emerging Trends in Electronic Device and Computational Techniques” Organized by Guru Nanak Institute of Technology, Technical co-support by IEEE, held on 8<sup>th</sup> March, 2018.

### National Seminar / Conference

- **Chaitali Chakraborty. And Kakali Bandyopadhyay . (2017)**. Banana Peel Muffin: A great way of waste utilization, Abstract published in Seminar proceedings of National Seminar on “A Dairy Snapshot-2017” Organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WBUAFS, Nadia, held on 5<sup>th</sup> August, 2017.
- **Kakali Bandyopadhyay. And Chaitali Chakraborty. (2017)**. Processing of Jackfruit seed flour, Abstract published in Seminar proceedings of National Seminar on “A Dairy Snapshot-2017” Organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WBUAFS, Nadia, held on 5<sup>th</sup> August, 2017.

- **Chaitali Chakraborty.** And **Kakali Bandyopadhyay.** (2017). Qualitative analysis of Coffee Yoghurt, Abstract published in Seminar proceedings of National Seminar on “A Dairy Snapshot-2017” Organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WBUAFS, Nadia, held on 5<sup>th</sup> August, 2017.
- **Kakali Bandyopadhyay** and **Chaitali Chakraborty.** (2017). Preparation and Characterization of Fortified Yogurt, Abstract published in Seminar proceedings of National Seminar on “A Dairy Snapshot-2017” Organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WBUAFS, Nadia, held on 5<sup>th</sup> August, 2017.
- **Dr. Anju Paul** (2017) “Utilization of Whey Protein to Enhance The Nutritional Quality of Biscuit”- Abstract published in Seminar proceedings of National Seminar on “A Dairy Snapshot-2017” Organized by IDA (EZ), Kolkata in association with Faculty of Dairy Technology, WBUAFS, Nadia, held on 5<sup>th</sup> August, 2017.
- **Kakali Bandyopadhyay (2017)** “Anthocyanins: Sources, Application, antioxidant activity and its role as biocolor”- Abstract published in Seminar proceedings of National Seminar on “Clinical Research in Recent Pharmaceutical Sciences” Organized by Clinical Research Centre (CRC) Jadavpur University, Department of Pharmaceutical Technology in collaboration with Indian Pharmacy Graduates’ Association (Bengal Branch), held on 22<sup>nd</sup> November, 2017.
- **Kakali Bandyopadhyay and Shairee Ganguly (2017)** “Freeze dried Jamun Powder fortified lassi: Source of nutraceuticals”- Abstract published in Seminar proceedings of National Seminar on “Clinical Research in Recent Pharmaceutical Sciences” Organized by Clinical Research Centre (CRC) Jadavpur University, Department of Pharmaceutical Technology in collaboration with Indian Pharmacy Graduates’ Association (Bengal Branch), held on 22<sup>nd</sup> November, 2017.
- **Anju Paul (2017)** “Quercetin Fortified Skimmed Milk”- Abstract published in Seminar proceedings of National Seminar on “Clinical Research in Recent Pharmaceutical Sciences” Organized by Clinical Research Centre (CRC) Jadavpur University, Department of Pharmaceutical Technology in collaboration with Indian Pharmacy Graduates’ Association (Bengal Branch), held on 22<sup>nd</sup> November, 2017.
- **Anupam Ghosh (2017)** “Nutraceuticals- The pharmaceutical super foods”- Abstract published in Seminar proceedings of National Seminar on “Clinical Research in Recent Pharmaceutical Sciences” Organized by Clinical Research Centre (CRC) Jadavpur University, Department of Pharmaceutical Technology in collaboration with Indian Pharmacy Graduates’ Association (Bengal Branch), held on 22<sup>nd</sup> November, 2017.
- **Anupam Ghosh (2017)** “Silver Nano-Particle in Cancer Treatment”- Abstract published in Seminar proceedings of National Seminar on “Clinical Research in Recent Pharmaceutical Sciences” Organized by Clinical Research Centre (CRC) Jadavpur University, Department of Pharmaceutical Technology in collaboration with Indian Pharmacy Graduates’ Association (Bengal Branch), held on 22<sup>nd</sup> November, 2017
- **Kakali Bandyopadhyay and Ipsita Sen (2017)** “Nutraceutical Analysis of Jackfruit Seeds”-Abstract published in Seminar proceedings of National Seminar on “Clinical Research in Recent Pharmaceutical

Sciences” Organized by Clinical Research Centre (CRC) Jadavpur University, Department of Pharmaceutical Technology in collaboration with Indian Pharmacy Graduates’ Association (Bengal Branch), held on 22<sup>nd</sup> November, 2017.

- **Anupam Ghosh and Kakali Bandyopadhyay (2018)** “Applications of industrial tea waste”- Abstract published in national Conference on “9th Inter university engineering, science & technology academic meet – 2018 & innovative model competition for a sustainable society” organized by FOSET. Held on 25<sup>th</sup> March, 2018.
- **Anupam Ghosh and Kakali Bandyopadhyay (2018)** “Oxidative Stability of Vegetable Oils during Frying” Abstract published in national Conference on “9th Inter university engineering, science & technology academic meet – 2018 & innovative model competition for a sustainable society” organized by FOSET. Held on 25<sup>th</sup> March, 2018.
- **Kakali Bandyopadhyay and Shairee Ganguly (2018)** “Fenugreek seed: an oxidative stability enhancer of soybean Oil during frying”- Abstract published in national Conference on “9th Inter university engineering, science & technology academic meet – 2018 & innovative model competition for a sustainable society” organized by FOSET. Held on 25<sup>th</sup> March, 2018.
- **Shairee Ganguly and Arka Roy Chowdhury (2018)** “A safer pathway to preserve fish-no more formaldehyde”- Abstract published in national Conference on “9th Inter university engineering, science & technology academic meet – 2018 & innovative model competition for a sustainable society” organized by FOSET. Held on 25<sup>th</sup> March, 2018.

### Interational Journal

- **Chaitali Chakraborty, and Kakali Bandyopadhyay**, Potential Application of Milk and Milk Products as Carrier for Herbs and Spices: A Review, *International Journal of Engineering Research and Science & Technology*, 6(1): 114-125, (2017) ISSN 2319 – 5991, **Impact Factor**:1.09.
- **Chaitali Chakraborty, and Kakali Bandyopadhyay**, Utilization of Banana Peel and Pulp as a Functional Ingredient in Product Development: A Review, *International Journal of Engineering Research and Science & Technology*, 6(1):137-148, (2017), ISSN 2319 – 5991, **Impact Factor**:1.09.
- **Chaitali Chakraborty, and Kakali Bandyopadhyay** Banana peel wastes: potential source of antioxidant in banana chips, *International Journal of Agricultural Science and Research (IJASR)*, 7(2):73-80, (2017) ISSN (Print): 2250-0057; ISSN (Online): 2321-0087; **Impact Factor (JCC)**: 4.8136; NAAS Rating: 4.13; IBI Factor: 3.2
- **Chaitali Chakraborty and Kakali Bandyopadhyay** Textural Analysis of Spongy Indian Milk Dessert (Rasogolla) Fortified with Potato Powder, , *International Journal of Current Microbiology and Applied Sciences(IJCMAS)*, 6(4): 2414-2420 (2017) ISSN:2319-7692(Print); ISSN:2319-7706(Online), NAAS Rating: 5.38, ICV:85.95, **Impact Factor**:2.937.
- **Chaitali Chakraborty, Shairee Ganguly and Kakali Bandyopadhyay**, Development and Characterization of Biocolour (Beta vulgaris) Enriched Low Calorie Lassi (Yogurt Based Beverage), *International Journal of Current Microbiology and Applied Sciences(IJCMAS)*, 6(4) 2265-

2270 (2017) ISSN:2319-7692(Print); ISSN:2319-7706(Online), NAAS Rating: 5.38, ICV:85.95, **Impact Factor:2.937.**

- **Chaitali Chakraborty, Kakali Bandyopadhyay, Shairee Ganguly** Evaluation of Rheological, Physicochemical and Sensory Properties of low Calorie Coffee Yogurt, *The Pharma Innovation Journal*, **6(7): 106-109 (2017)**, ISSN (E): **2277- 7695**, ISSN (P): **2349-8242**, NAAS Rating **5.03.**
- **Chaitali Chakraborty, Kakali Bandyopadhyay, Shairee Ganguly** Potential of raw banana peel as a source of polyphenol in muffins, *The Pharma Innovation Journal*, **6(10): 40-43 (2017)**, ISSN (E): **2277- 7695**, ISSN (P): **2349-8242**, NAAS Rating **5.03.**
- **Kakali Bandyopadhyay, Chaitali Chakraborty, and Shairee Ganguly** Change in physicochemical properties of edible oil during frying: A review, *The Pharma Innovation Journal*, **6(10): 196-199 (2017)**, ISSN (E): **2277- 7695**, ISSN (P): **2349-8242**, NAAS Rating **5.03.**
- **Chaitali Chakraorty, and Kakali Bandyopadhyay**, Nutraceutical Potential Of Some Rare Fruits & Vegetables: A Review, *The Pharma Innovation Journal*, **6(10): 421-424 (2017)**, ISSN (E): **2277- 7695**, ISSN (P): **2349-8242**, NAAS Rating **5.03.**
- **Chaitali Chakraorty, and Kakali Bandyopadhyay**, Utilization of Various Seeds: A Review, *The Pharma Innovation Journal*, (Accepted), ISSN (E): **2277- 7695**, ISSN (P): **2349-8242**, NAAS Rating **5.03.**
- **Chaitali Chakraborty and Kakali Bandyopadhyay**, “Textural Analysis of Spongy Indian Milk Dessert (Rasogolla) Fortified with Potato Powder”, *International Journal of Current Microbiology and Applied Sciences*, **6(4) : 2414-2420, (2017).**ISSN: 2319-7706 (NAAS Rating: 5.38)
- **Shairee Ganguly, Chaitali Chakraborty and Kakali Bandyopadhyay**, “Development and Characterization of Biocolour (*Beta vulgaris*) Enriched Low Calorie Lassi (Yogurt Based Beverage)”, *International Journal of Current Microbiology and Applied Sciences*, **6 (4): 2265-2270, (2017)** ISSN: 2319-7706 (NAAS Rating: 5.38)
- **Chaitali Chakraborty, Kakali Bandyopadhyay**, “Banana peel wastes: potential source of antioxidant in banana chips”, *International Journal of Agricultural Science and Research (IJASR)*, **7(2):73-80, (2017)** ISSN (Print): 2250-0057; ISSN (Online): 2321-0087; **Impact Factor (JCC): 4.8136; (NAAS Rating: 4.13); IBI Factor: 3.2.**
- **Kakali Bandyopadhyay**, Utilization of Various Seeds: A Review, *The Pharma Innovation Journal*, **6(11):93-101 (2017)**, ISSN (E): **2277- 7695**, ISSN (P): **2349-8242**, NAAS Rating **5.03.**
- **Kakali Bandyopadhyay, Shairee Ganguly**, Studies on Extraction of Polyphenols from Food Wastes and its Utilization for Fortification of Polyphenols: **International Journal Of Agricultural Engineering**, ISSN (E): **0976-7223**, ISSN (P): **0974-2662**, NAAS Rating **4.43.**
- **Anju Paul** Study On Antimicrobial Properties And Medicinal Value of: *Adhatoda Vasica, Centella Asiatica, Paederia Foetida, Nyctanthes Arbor-Tristis, Ocimum Tenuiflorum* **International Journal of Current Microbiology & Applied Sciences ; 2018 7(5), 1406-1413 , ISSN No.:2319-7692 (P), NAAS Rating 5.38**



**DEPARTMENT: ASH****National Seminar / Conference**

- **Anup Kumar Thander and Dr. Sucharita Bhattacharyya**, "Optical modal analysis in rib waveguide structures using higher order compact(HOC) FDM in combination with Biconjugate Gradient Stabilized (BiCGSTAB) method", TOPAS-2017 to be held on 16-17 December 2017 at IIT Kharagpur (Abstract Accepted)
- **Dr. Soma Mukherjee** : "Transport properties of ionic  $y\text{Li}_2\text{SO}_4^{2-}(1-y)[\text{ZLi}_2\text{O}.\text{B}_2\text{O}_3]$  glasses", 2nd Regional Science and Technology Congress (Southern Region). 2017 organized by University of Kalyani & Dept. of Higher Education , Science & Technology and Biotechnology, Govt. of West Bengal held during 14-15<sup>th</sup> Dec 2018 at Kalyani Univ.
- **Dr. Soma Mukherjee** : "Transport properties of ionic  $y\text{Li}_2\text{SO}_4^{2-}(1-y)[\text{ZLi}_2\text{O}.\text{B}_2\text{O}_3]$  glasses", Accepted for oral presentation in 25<sup>th</sup> West Bengal State Science & Technology Congress, 2018 scheduled to be held during 4-5<sup>th</sup> March 2018 at Science City Auditorium.

**National Journal**

- **Dr. Sucharita Bhattacharyya** : *Numerical Study in Optical Wave-Guide Communication: A Different Approach* published in Proceedings of National Conference on Modern Trends in Physics (NCMTP 2017) with ISBN : 978-93-86675-29-3 on February 2018.

**International Seminar / Conference**

- **Dr. Sucharita Bhattacharyya**, Green Campus Initiative : Response from a Self-financed Educational Campus – A Case Study, Abstract is accepted in ICON 2017 to be held at Hyderabad, during 15-17 December, 2017
- **Dr. Soma Mukherjee**: Frequency dependent conductivity and dielectric properties of  $\text{LaMnO}_3$  doped Lead-Vanadate glasses with nanocrystalline phases, Abstract accepted in 105th ISC to be held in Manipur, during 16-20 March, 2018.
- **Anup Kumar Thander and Dr. Sucharita Bhattacharyya**, Optical Modal Analysis in H Field using Higher Order Compact (HOC) FDM in combination with Conjugate Gradient Method, presented in IEEE conference ICMAP 2018, held at IIT(ISM), Dhanbad during 9-11 February, 2018
- **Sanjoy Biswas**, "On the Hyperbolic Valued Measure" during 8-9 March 2018 presented at Emerging Trends in Electronic Devices and Computational Techniques (EDCT) held at Guru Nanak Institute Of Technology.

- Arnab Dey, Bipul Nath, Biplab Mandal, **Rajarshi Chakraborty** : New approach of a Conceptual Solar Thermal Steam Generator and its Design & Optimization during 8-9 March 2018 at Emerging Trends in Electronic Devices and Computational Techniques (EDCT) held at Guru Nanak Institute Of Technology.

### International Journal

- **Dr. Chinmay Ghosh, Sanjoy Biswas**, “ HYPERBOLIC VALUED SIGNED MEASURE” published in “International Journal of Mathematics Trade and Technology” Thompsons & Reuters indexed with ISSN: 2231-5373.
- **Ashis Kumar Dey, Subrata Chatterjee and Koushik Biswas**: Effect of Oxides Additives on Phase Evolution and Tribological behaviour of Zirconia-Toughened Alumina Composites, Journal of Materials Engineering and Performance 26 [12] (2017) 6107-6116.
- **Anup Kumar Thander and Dr. Sucharita Bhattacharyya**, “Optical Modal Analysis in H Field using Higher Order Compact (HOC) FDM in combination with Conjugate Gradient Method”, Published in IEEE xplore (Web of Science) , Thompsons & Reuters indexed with ISBN : 978-1-5386-0933-0/18

### DEPARTMENT: IT

### International Seminar / Conference

- **Baisakhi Das**, Anupama Mondal, Salma Mandi, Nilanjana Das and Biplab K Sikdar, Evaluation of Misspeculation Impact on Chip-Multiprocessors Power Overhead; International Conference on Cognitive Informatics and Soft Computing (CISCom 2017), Nov 17 -18 , 2017, Bangkok, Thailand (Communicated)
- **Baisakhi Das**, Mamata Dalui, Anupama Mondal, Salma Mandi, Nilanjana Das and Biplab K Sikdar, Evaluation of Misspeculation Impact on Chip-Multiprocessors Power Overhead; International Conference on Software and Computer Application (ICSCA 2018), Feb 8 -10 , 2018, Malaysia .
- **Sudeep Ghosh, Surajit Kumar Roy, Hafizur Rahaman, Chandan Giri** “TSV Repairing for 3D ICs using Redundant TSV”; 7th International symposium on Embedded computing & system Design (ISED), December 18-20, 2017, NIT, Durgapur.
- **Mousimi Saha, Baisakhi Das and Biplab K Sikdar**; Periodic Boundary Cellular Automata Based Test Structure For Memory; 15th IEEE East-West Design & Test Symposium; Sept 29 - Oct 2, 2017; Novi Sad, Serbia.

### International Journal

- **Baisakhi Das**, Biplab K Sikdar, Evaluating Impact on CMPs' Power for Design Inaccuracy Diagnosis; International Journal of Computer Applications in Technology (IJCAT), , Vol. 56, No. 3, pp.198–209.SCI indexed, January, 2018

- **Trishita Ghosh**, Ashutosh Debnath, Ankita Paul, Chayan Chattopadhyay, Saheli Hazra , Sumit Kumar Singh “Hybrid Routing Approach Depending on Different Message Types in VANET” International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Vol-3, issue-5, pp 335-338. Indexing in Google Scholar, Citeseer, ICI. ISSN: 2456-3307, April, 2018
- **Trishita Ghosh**, Ashutosh Debnath, Chayan Chattopadhyay, Sumit Kumar Singh “A Comparative Study of Different Emerging Routing Protocols in VANET” International Journal of Emerging Technologies in Engineering Research (IJETER). Vol 6, issue-5, pp-129-134. Thomson & Reuters research ID-H-8878-2016. ISSN- 2454-6410. April, 2018.
- **Sudeep Ghosh, Tridib Chakraborty**, Rohan Rajak “A New Approach For TSV Based 3D-SIC Testing” International Journal of Emerging Technologies in Engineering Research (IJETER). Google scholar, Thompsons & Reuters Research ID: H-8878-2016. (Accepted) ISSN- 2454-6410, April, 2018,
- **Tridib Chakraborty, Sudeep Ghosh** “Remote Voting System Using Extended Visual Cryptography” International Journal of Latest Trends in Engineering and Technology. Thompsons & Reuters Researcher ID P-8024-2015. (Accepted). ISSN: 2319-3778. April, 2018.
- **Suparna Karmakar, Tridib Chakraborty**, Rajarshi Saha, Nirvik Roy “Fuzzy Petri net based E-commerce System Design and Analysis” International Journal of Latest Trends in Engineering and Technology. Thompsons & Reuters Researcher ID P-8024-2015. Index Copernicus, ICV - 7.39/10. Index Copernicus, ICV - 77.02/100. (Accepted). ISSN: 2319-3778. April, 2018

## DEPARTMENT: ECE

### International Journal

- **Suparna biswas et.al.**, On Prediction Error Compressive Sensing Image Reconstruction for Face Recognition, Elsevier Journal of Computer and Electrical Engineering, Accepted , article in press. Impact 1.57. August, 2017
- **Surajit Basak**, Cross Layer Optimization for Outage Minimizing Routing in Cognitive Radio Ad Hoc Networks with Primary Users' Outage Protection, Elsevier Journal of Network and Computer Application, Vol 98, pp 114-124. Aug, 2017 Impact Factor 3.5.
- **Anurima Majumdar**, “A Wideband Multiband CPW Fed Wineglass Shaped Patch Antenna with Tuning Stub for 4G Wireless Communication Application”, published in IJRASET - International Journal for Research in Applied Science & Engineering Technology (UGC Approved Journal, Thomson Reuter Indexed) ISSN: 2321-9653, IC Value: 45.98, SJ Impact Factor: 6.887, Jan 2018.
- **Anurima Majumdar**, “Design of a UWB Antenna Array for Ka Band Operation”, Journal of Emerging Technologies and Innovative Research, (Thomson Reuter Indexed), ISSN: 2321-9653, IC Value: 45.98, SJ Impact Factor: 6.887, Jan 2018
- **Avali Ghosh, Sisir K. Das and Annapurna Das**, “Minimization of Crosstalk in PCB”, IJRASET - International Journal for Research in Applied Science & Engineering Technology (UGC Approved Journal, Thomson Reuter Indexed), Vol. 6, Issue I, January 2018, ISSN: 2321-9653, IC Value: 45.98, SJ Impact Factor: 6.887, p891-898.

- **Sunipa Roy**, Development of microcontroller based integrated gas sensor system for detecting combustible gases, IET Circuit Device and Systems (IET), DOI: 10.1049/iet-cds.2017.0243, Feb 2018.
- **Avali Ghosh, Sisir K. Das and Annapurna Das**, “Analysis of PCB to find Trace Impedance by Method of Moment and Cross-talk Interference”, IJRASET - International Journal for Research in Applied Science & Engineering Technology (UGC Approved Journal, Thomson Reuter Indexed), Vol. 6, Issue II, February 2018, ISSN: 2321-9653, IC Value: 45.98, SJ Impact Factor: 6.887.
- **Avali Ghosh, Sisir K. Das and Annapurna Das**, “ Interference Effects of Via Interconnect in three Layer PCB”, ACES Journal, March 2018.

### National Seminar / Conference

- Abhishek Shaw, Arijeet Saha, Aparajita Bhagat, **Sayan RoyChowdhury**, Design of wireless charger using piezo sensor, ASICN 2017, Dr. Sudhir Sur Engg. College, Kolkata, October 2017.
- Roma Singh, Roshan Jha, Palasri Dhar, **Dr. Sunipa Roy**, Two dimensional mobility in InP Single Quantum Well qand InAs Single Quantum well, RSA2017, Netaji Subhash Engg. College, August 2017.
- Abhishek Shaw, Arijeet Saha, Aparajita Bhagat, **Sayan RoyChowdhury**, Wireless power transmission using piezo sensor, RSA2017, Netaji Subhash Engg. College, August 2017.

### International Seminar / Conference

- **Avali Ghosh**, Sisir K. Das, Annapurna Das, “Analysis of Crosstalk in High Frequency Printed Circuit Boards in Presence of Via”, International Conference on Electromagnetics in Advanced Applications IEEE- APS Topical Conference on Antennas and Propagation in Wireless Communications 2017 , Verona, Italy, 11th to 15th September 2017.
- **Aditi Sengupta**, “Temperature Dependence of Microstrip Bandpass Filter For Extreme Climates”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.
- **Aditi Sengupta**, “Bandpass Filters using Multilayered Microstrip Structures”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.
- **Aditi Sengupta**, “Analysis and Design of Interactive Automated Platform”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.
- **Antara Ghosal**, “A Multi Frequency square patch antenna for mobile communication application”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.
- **Antara Ghosal**, “Design of a Multifrequency Slotted Circular Patch Antenna for Wireless Communication and Effect of”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.

- **Antara Ghosal**, “A e-Shaped Slotted Patch Antenna for Mobile Communication”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.
- **Soma Boral, Arun Kumar Mondal**, “Performance of Packet Transmission in MIMO Ad Hoc Network using Co-operative relay”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018..
- **Avali Banerjee Ghosh** , “Analysis of Multi-conductor Transmission Lines”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.
- **Anurima Majumdar**, “Design of a Multifrequency Slotted Circular Patch Antenna for Wireless Communication”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.
- **Anurima Majumdar**, “A Multi Frequency square patch antenna for mobile communication application ”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.
- **Anurima Majumdar**, “A CPW fed antenna for millimeter wave applications”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.
- **Suparna Biswas**, “Face Recognition using Fusion of Spatial and Temporal features”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.
- **Palasri Dhar**, “Two dimensional mobility in Indium Phosphide (InP) single quantum well and Indium Arsenide (InAs) single quantum well : A comparative study”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.
- **Dr.Sunipa Roy**, “A comparative study on Alcohol sensing Performance of ZnO nanoflower based Resistive sensor”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), 2018, 8-9 March 2018.
- **Dr.Sunipa Roy**, “A new Gated Ground Architecture for Ulte Low Leakage of 6T-SRAM cell”, Emerging Trends in Electronic Devices and Computational Techniques (EDCT), Gurunanak Institute of Technology, Sodepur, Kolkata, 8-9 March 2018.

## **DEPARTMENT: EE**

### **International Journal**

- **Anindita Ganguly** “Solution of Volterra and Fredholm classes of equations via Triangular orthogonal function”, IE(I) Springer April 2018.

- **Rikta Majumder, Sisir Mazumder**, “Microprocessor Based Digital Motor Protection Relay Model For Different Fault Conditions” IJEECS, Volume 6, Issue 12, December 2017, ISSN 2348-117X 9th dec,2017.

### International Conference

- **Suman Ghosh, Prof. Dr. J K Das, Prof Dr. Chandan Kr. Chanda** “Real Value Cost Analysis of 5KWp Solar Photovoltaic Power Plant: A Case Study” 6th International Conference on Computing, Communication and Sensor Network, CCSN2017, 31st dec, 2017.
- **Rikta Majumder, Surajit Biswas, Debasis Agasti, Sukhdev Dolui** “Micro-controller Based Over Current Relay Using Hall Effect Current Sensor” International conference on Emerging Trends in Electronic Devices and Computational Techniques. , 9<sup>th</sup> March,2018.
- **Rikta Majumder, Debasis Agasti, Arpan Lahiri** “Controlling of mobile car robots using IR sensors and a tripple axis magnetometer” International conference on Emerging Trends in Electronic Devices and Computational Techniques. , 9<sup>th</sup> March,2018.
- **Anindita Ganguly** “Hybrid function based design of unidentified input observer presented at ACODS and International Federation of Automatic Control” Hyderabad, International Conference 18<sup>th</sup>-22<sup>nd</sup> Feb, 2018.
- **Anindita Ganguly** “Analysis of time-delayed non-linear equations using HF functions “ ICMMS, Indore International Conference July 2018

### National Conference

- **Susovan Dutta**” Optimal Design and Related Cost of a Renewable Energy System” NCEHTC-2017, 17-18 November,2017.
- **Rikta Majumder, Ritam Roy, Soudip Mal, Sounak Ghosh** Intelligent Energy Saving System ,FOSET, March,2018.
- **Rikta Majumder, Rohan Pal, Sourav Sarkar, Shouvik Sarma Chowdhury** “Smart Surveillance System Using Passive Infrared Sensor” FOSET, March,2018.
- **Susovan Dutta, Souvik Biswas, Purabi Majumder** ‘GSM Based Fire Alarm System” FOSET, March,2018.
- **Madumita Chakraborty, Vandana Rani, Vicky Paswan, Soyel Ghosh** “Footstep Power Generation using Piezoelectric Effect” FOSET, March,2018.

### DEPARTMENT: AEIE

### International Seminar / Conference

- **Bapita Roy, Saikat Majumder Prof. Dr. Rajib Chakraborty**, "A theoretical study of the loss characteristics of a multilayer Metal/ Dielectric/ Metal Tamm Plasmon waveguide", published in International Conference

on Advances in Optics and Photonics (XLI Conference of Optical Society of India), ICAOP2017, 23rd – 26th Nov 2017

- Deboleena Sadhukhan, **Jayita Datta**, Saurabh Pal, Madhuchhanda Mitra 2017, "Automated identification of Myocardial Infarction using a single Vector cardiographic feature", published in Proc. of International Conference on Modeling and Simulation - Kolkata Published by AMSE In Collaboration with IET-UK Kolkata Local Network. November 4-5, 2017.
- **Paramita Banerjee<sup>1</sup>**, **Ratna Ghosh<sup>2</sup>**, **Bhaswati Goswami<sup>2</sup>**, "Change of length of L arm of a RFA based dental implant stability measuring sensor based on dominant mode of vibration", 1st International Conference on Emerging Trends in Electronic Devices and Computational Techniques (EDCT-2018) organized by the Department of ECE, GNIT on 8-9<sup>th</sup> March, 2018.

### International Journal

- **Adhish Kr. Chakrabarty**, "A New Robust Model Reference Adaptive Control for Tray-Type Distillation Column", published in International Journal of Electronics, Electrical and Computational Systems, Vol.6, issue 11, pp.549-554. November 2017, UGC approved journal.

**2016-17**

**DEPARTMENT: CSE**

### National Seminar / Conference

- **Ipsita Saha**, Angika Roy, Anirban Roy, Indranil Choudhury, Aradhya Kundu, Kaustav Dutta, "Implementing Smart City- An Approach Towards Big Data Analysis and Internet of Things", paper accepted in 1<sup>st</sup> Regional Science and Technology Congress, 2016, NITTTR, Presidency Division West Bengal, 13<sup>th</sup> -14<sup>th</sup> November, 2016, NITTTR, Kolkata.
- **Moloy Dhar**, **Sourish Mitra**, Kunal Singh, "Implementation of Hand and Voice Biometrics Based on GMM" paper accepted in 1<sup>st</sup> Regional Science and Technology Congress, 2016, NITTTR, Presidency Division West Bengal, 13<sup>th</sup> -14<sup>th</sup> November, 2016, NITTTR, Kolkata.
- **Moloy Dhar**, "Human Motion Tracking using Image Annotation Techniques", NCAISC 2017, National Conference on Advances in Interdisciplinary Sciences-2017 will be organized on 27<sup>th</sup>-28<sup>th</sup> January, 2017 by the Science Forum in association with West Bengal State University, Bhairab Ganguly College, 27.01.2017.
- Vivek Kumar, Subham Saha, Subham Vishwakarma, Suparna Dutta, Sandeep Sah, **Ipsita Saha** "A business model towards Collection and Disposal mechanism of E-Waste components", National Conference on Advance Computing, Communication and Devices'2017 (NCACCD 17) 16<sup>th</sup>- 17<sup>th</sup> March, 2017

### International Seminar / Conference

- **Srabani Kundu**, "Irregular Shaped Event Boundary Estimation in Wireless Sensor Networks", 4th International Conference on Advanced Computing, Networking, and Informatics, 22-24 September, 2016.
- **Ipsita Saha**, Amit Kundu, Sadhan K Ghosh, "A Study to Establish an Energy Efficient Sustainable Business Model in Virtual ERP" published in 6<sup>th</sup> International Conference on Solid Waste Management (ICONSWM2016) at Jadavpur University, organized jointly by JU, IIT KGP & IISC Bangalore. 23-27 November, 2016
- **Ipsita Saha**, Amit Kundu, Sadhan Kumar Ghosh "Novel Approach for Laptop & Cell Phone Waste Management using Cloud Based Data Storage Systems"- The Thirty-Second International Conference on Solid Waste Technology and Management, Philadelphia, PA, USA March 19-22, 2017.
- **Ipsita Saha**, Amit Kundu Sadhan K Ghosh "A Study to Establish an Energy Efficient Sustainable Business Model in Virtual ERP", 6th International Conference on Solid Waste Management, 6th IconSWM 2016, Jadavpur University, Kolkata, India, November 24 - 26, 2016
- **Ipsita Saha**, Amit Kundu, Sadhan Kumar Ghosh "A Study of Cloud Based Solution for Supply Chain Management" - Second International Conference on Internet of Things, Data and Cloud Computing, ICC'17, Cambridge city, Churchill College. University of Cambridge, United Kingdom. 22-23 March 2017.
- **Ipsita Saha**, Amit Kundu, Sadhan Kumar Ghosh "Role of Big Data Analysis and Internet of Things in Implementation of Smart City"-International Conference on Modelling, Computing and Technological Innovations on February 9-11, 2017, UIT, Burdwan, West Bengal

### International Journal

- **Ipsita Saha**, Joy Dewanjee, "A web based nucleotide sequencing tool using BLAST algorithm" published in International Journal of Biotech Trends and Technology (IJBTT) – volume 18 Issue 1, ISSN:2249-0183, September - October 2016
- **Sourish Mitra, Bidyutmala Saha, Nirupam Saha, Rafiqul Islam, Pallabi Das**, "Modified Implementation of Different Architectural Designing Issues in WSN Protocol" published in International Journal for Research in Applied Science and Engineering Technology (IJRASET), ISSN:2321-9653, pp-1147-1150, Volume 5 Issue IV, April 2017, Thomson Reuter Indexed [Thomson Reuter Researcher ID:N-9681-2016], [Google Scholar indexed], Impact Factor:5.969, IC Value:45.98, April 2017
- **Bidyutmala Saha, Sourish Mitra, Srabani Kundu, Nirupam Saha, Sayani Chandra, Debraj Roy, Pallabi Das, Sinthia Roy**, "Arduino -UNO Operated Hall-effect Sensor Based Magnetic Field Strength Measurement System", published in International Journal for Research in Applied Science and Engineering Technology (IJRASET), ISSN:2321-9653, pp-1377-1380, Volume 5 Issue IV, April 2017, Thomson Reuter Indexed [Thomson Reuter Researcher ID:N-9681-2016], [Google Scholar indexed], Impact Factor:5.969, IC Value:45.98, April 2017.



- **Moloy Dhar, Kunal Singh, Pritam Roy, Jui Saha,** "Spontaneous Fan Speed Control System Using Arduino", published in International Journal for Research in Applied Science and Engineering Technology (IJRASET), ISSN:2321-9653, pp-1560-1563, Volume 5 Issue IV, April 2017, Thomson Reuter Indexed [Thomson Reuter Researcher ID:N-9681-2016],[Google Scholar indexed], Impact Factor:5.969, IC Value:45.98, April 2017.
- **Sayani Chandra, Debraj Roy, Rafiqul Islam, Shirsankar Basu, Sinthia Roy,** "A Novel Approach of Internet of Things: Microcontroller Based Air Pollution Monitoring System Published in Journal of Emerging Technologies and Innovative Research (ISSN : 2349-5162) Impact Factor:4.14 Volume 4 Issue 4 , April-2017
- **Sayani Chandra, Sourish Mitra, Debraj Roy, Trishna Arora,** "An Approach towards Arduino Based Automated Plant Irrigation System using Soil Moisture Sensor" published on International Journal of Novel Research and Development with ISSN : 2456-4184, Impact Factor:3.57, Volume 2 Issue 4, April-2017.
- **Sourish Mitra, Sayani Chandra, Ipsita Saha, Jasbir Singh,** "An Innovative Smart Health Care System by using Internet of Things" published on International Journal of Novel Research and Development with ISSN : 2456-4184, Impact Factor:3.57, Volume 2 Issue 4, April-2017

## DEPARTMENT: IT

### **National Seminar / Conference**

- **Sudeep Ghosh;** Recovery of 3D IC using redundant TSV; 24th West Bengal State Science & Technology Congress, 2017.
- **Raja Dastidar, Baisakhi Das;** Inspiration of vertical transportation on multilayered architecture of lab-on-chip: a hybrid approach; 24<sup>th</sup> West Bengal State Science & Technology Congress, 2017.

### **International Seminar / Conference**

- **Baisakhi Das, Supreeti Kamilya, Biplab K Sikdar;** "Design of CA Based Scheme for Evenhanded Data Migration in CMPs"; 6th Int'l Symp. on Embedded computing & system Design (ISED), December 15-17, 2016; IIT Patna.
- **Sudeep Ghosh, Mandira Banik, Prebond** "TSV Based 3D-SIC Testing" International Conference on Current Research in Engineering Science and Technology (ICCREST-2017). ISSN-2321 – 3361 Mar 13-14-6, 2016. Trichy, Chennai.
- **Tridib Chakraborty ,** "Visual Cryptography for Information Reconstruction" International Conference on Current Research in Engineering Science and Technology (ICCREST-2017). ISSN-2321 – 3361 Mar 13-14-6, 2016. Trichy, Chennai.

### **International Journal**

- **Trishita Ghosh, Sumit Kumar Singh;** Congestion Control in VANET with Time Synchronization Approach and by Controlling Number of Messages. International Journal of Emerging

Technologies in Engineering Research (IJETER). Volume 4, Issue 7, Page 13-16, impact factor 4.225, July 2016.

- **Sudeep Ghosh**, Mandira Banik, **Tridib Chakraborty** “Recovery of TSV Based 3D IC” International Journal of Advanced research in computer science, ISSN/ISBN No-0976-5697. Impact factor-5.845,UGC enlisted.(Registrar for published in JUNE.2017).
- Mandira Banik, **Sudeep Ghosh** “Modelling of Air traffic control using Petrinet.” International Journal of Advanced research in computer science, ISSN/ISBN No-0976-5697. Impact factor-5.845,UGC enlisted.(Registrar for published in JUNE.2017).
- Mandira Banik, **Sudeep Ghosh** “Approximate Computing: Error Tolerant Adder.” International Journal of Advanced research in computer science, ISSN/ISBN No-0976-5697. Impact factor-5.845,UGC enlisted.(Registrar for published in JUNE.2017).
- **Tridib Chakraborty**, **Mizan Chowdhury**, “Image Segmentation in Optical Character Recognition” International Journal of Advanced research in computer science, ISSN/ISBN No-0976-5697. Impact factor-5.845,UGC enlisted.(Registrar for published in JUNE.2017)
- **Mizan Chowdhury**, **Tridib Chakraborty** “Text Recognition Using Image Processing” International Journal of Advanced research in computer science, ISSN/ISBN No-0976-5697. Impact factor-5.845, UGC enlisted. (Registrar for published in JUNE.2017).
- **Tridib Chakraborty**,**Adrish Goswami**, **Aliva Ghosh**, **Jeevan Krishna** “Monitoring Suspicious Discussions on Social Media Case Study” International Journal of Advanced research in computer science, ISSN/ISBN No-0976-5697. Impact factor-5.845,UGC enlisted.(Registrar for published in JUNE.2017).

## DEPARTMENT: FT

### National Seminar / Conference

- Ushnil Dutta, Sanjana Chakraborti and **Dr. Subhajit Ray**, “Development of Value Enriched Carrot Fortified Chips for Better Security of Nutrition” UGC-Sponsored National Level Seminar on Food Security And Sustainable Nutrition In India: The Present Scenario” Organized by Department of Food and Nutrition, Acharya Prafulla Chandra College in collaboration with Department of Biochemistry & Nutrition, All India Institute of Hygiene and Public Health at Kolkata, West Bengal held on 15-16<sup>th</sup> Sept.,2016.
- Soumyadeep Pal, Anusree Modak, **Dr. Kakali Bandyopadhyay** and **Dr. Chaitali Chakraborty** “Food Waste: Mine of Polyphenols” UGC-Sponsored National Level Seminar on Food Security And Sustainable Nutrition In India: The Present Scenario” Organized by Department of Food and Nutrition, Acharya Prafulla Chandra College in collaboration with Department of Biochemistry & Nutrition, All India Institute of Hygiene and Public Health at Kolkata, West Bengal held on 15-16<sup>th</sup> Sept.,2016.
- **Dr. Anju Paul**, Mainak Ghosh and Manasi Roy. “Preservation Techniques & Product Development of Locally Available Mushrooms” UGC-Sponsored National Level Seminar on Food Security And Sustainable Nutrition In India: The Present Scenario” Organized by Department of Food and Nutrition, Acharya Prafulla Chandra College in collaboration with Department of

Biochemistry & Nutrition, All India Institute of Hygiene and Public Health at Kolkata, West Bengal held on 15-16<sup>th</sup> Sept.,2016.

- Neelanjana Misra, Gargi Sharma, **Dr. Chaitali Chakraborty and Dr. Kakali Bandyopadhyay** “Herbal Bread: A Loaf For Good Health” UGC-Sponsored National Level Seminar on Food Security And Sustainable Nutrition In India: The Present Scenario” Organized by Department of Food and Nutrition, Acharya Prafulla Chandra College in collaboration with Department of Biochemistry & Nutrition, All India Institute of Hygiene and Public Health at Kolkata, West Bengal held on 15-16<sup>th</sup> Sept.,2016..
- Arunima Mukherjee, Bornini Banerjee, Shubham Mukherjee. **Dr. Chaitali Chakraborty and Dr. Kakali Bandyopadhyay** “Utilization of Green Banana Peel in Enriching the Antioxidant Potential in Chips” UGC-Sponsored National Level Seminar on Food Security And Sustainable Nutrition In India: The Present Scenario” Organized by Department of Food and Nutrition, Acharya Prafulla Chandra College in collaboration with Department of Biochemistry & Nutrition, All India Institute of Hygiene and Public Health at Kolkata, West Bengal held on 15-16<sup>th</sup> Sept.,2016..
- Shramana Bhattacharya, Sreemoyee Moitra, Sayani Adhikary and **Dr. Chaitali Chakraborty** “Development of Probiotic Lassi Supplemented with Aloe Barbadensis Miller Juice and Effect” UGC-Sponsored National Level Seminar on Food Security And Sustainable Nutrition In India: The Present Scenario” Organized by Department of Food and Nutrition, Acharya Prafulla Chandra College in collaboration with Department of Biochemistry & Nutrition, All India Institute of Hygiene and Public Health at Kolkata, West Bengal . held on 15-16<sup>th</sup> Sept.,2016.
- Sruti Mandal, Saikat Gorai and **Dr. Subhajit Ray.** “Development and Evaluation of Quality Characteristics of Nutritious Osmodried Fruits for enhanced Nutritional Security” UGC-Sponsored National Level Seminar on Food Security And Sustainable Nutrition In India: The Present Scenario” Organized by Department of Food and Nutrition, Acharya Prafulla Chandra College in collaboration with Department of Biochemistry & Nutrition, All India Institute of Hygiene and Public Health at Kolkata, West Bengal . held on 15-16<sup>th</sup> Sept.,2016.
- Gargi Sharma and **Chaitali Chakraborty**, “Development and quality analysis of pudina fortified herbal custard”, 8<sup>th</sup> All India Inter Engineering College Academic Meet - 2017 & Innovative Model Competition for a Sustainable Society, organized by FOSET in association with Gurunanak Institute of Technology, held on 19<sup>th</sup> March, 2017.
- Sreemoyee Moitra, Sayani Adhikary and **Chaitali Chakraborty**, “Effect of incorporating Aloe-vera in Sandesh”, 8<sup>th</sup> All India Inter Engineering College Academic Meet - 2017 & Innovative Model Competition for a Sustainable Society organized by FOSET in association with Gurunanak Institute of Technology, held on 19<sup>th</sup> March, 2017.
- Suparna Mukherjee, Srijanee Biswas and **Chaitali Chakraborty**, “Rheological analysis of apple yoghurt”, 8<sup>th</sup> All India Inter Engineering College Academic Meet - 2017 & Innovative Model Competition for a Sustainable Society organized by FOSET in association with Gurunanak Institute of Technology, held on 19<sup>th</sup> March, 2017.
- Urmi Sarkar, Shreosi Das and **Chaitali Chakraborty**, “Rheological analysis of coffee flavored Yoghurt”, 8<sup>th</sup> All India Inter Engineering College Academic Meet - 2017 & Innovative Model Competition for a Sustainable Society organized by FOSET in association with Gurunanak Institute of Technology, held on 19<sup>th</sup> March, 2017.

- Pinaki Ranjan Ray, Soma Maji and **Chaitali Chakraborty**, “In vitro evaluation of phenolic content and antioxidant activity of herbal *lassi*”, National Symposium on Oxidative stress in health and disease, organized by Department of Biochemistry & Biophysics, University of Kalyani, West Bengal, India, held on 30-31<sup>st</sup> March, 2017.
- Neha Jaiswal, Shalini Rastogi and **Kakali Bandyopadhyay**, “Genetically Modified Foods: Safety, Risk, and Public Concerns”, 8<sup>th</sup> All India Inter Engineering College Academic Meet-2017 & Innovative Model Competition for a Sustainable Society, organized by FOSET in association with Gurunanak Institute of Technology, held on 19<sup>th</sup> March, 2017.
- Prostuti Chakravorty, Debarati Bhattacharyya and **Kakali Bandyopadhyay**, “Studies on Extraction of Protein from De-oiled Meals”, 8<sup>th</sup> All India Inter Engineering College Academic Meet-2017 & Innovative Model Competition for a Sustainable Society, organized by FOSET in association with Gurunanak Institute of Technology, held on 19<sup>th</sup> March, 2017.
- Anusree Modak and **Kakali Bandyopadhyay**, “Studies on Extraction of Polyphenol from Cucumber and Potato Peels”, 8<sup>th</sup> All India Inter Engineering College Academic Meet-2017 & Innovative Model Competition for a Sustainable Society, organized by FOSET in association with Gurunanak Institute of Technology, held on 19<sup>th</sup> March, 2017.
- Paromita Roychowdhury, Aayushi Bhomia and **Kakali Bandyopadhyay**, “Study of Utilization of Ultrasound in Milk and Milk Product”, 8<sup>th</sup> All India Inter Engineering College Academic Meet-2017 & Innovative Model Competition for a Sustainable Society, organized by FOSET in association with Gurunanak Institute of Technology, held on 19<sup>th</sup> March, 2017.
- Bigroha Hajra, Soumyadeb Bhattacharyya & **Dr. Anju Paul** “Modern Trends on Utilization of Food Technology” 8<sup>th</sup> All India Inter Engineering College Academic Meet- 2017 & Innovative Model Competition for a Sustainable Society, organized by FOSET in association with Gurunanak Institute of Technology, held on 19<sup>th</sup> March, 2017
- Sreyasi Deb & **Dr. Anju Paul** “An Enzymatic Approach For Debittering of Citrous Fruit Juice” 8<sup>th</sup> All India Inter Engineering College Academic Meet- 2017 & Innovative Model Competition for a Sustainable Society, organized by FOSET in association with Gurunanak Institute of Technology, held on 19<sup>th</sup> March, 2017.
- Mahua Sarkar, Saurav Bhattacharjee & **Dr. Anju Paul** “ New Horizons in Agricultural Biotechnology” 8<sup>th</sup> All India Inter Engineering College Academic Meet- 2017 & Innovative Model Competition for a Sustainable Society organized by FOSET in association with Gurunanak Institute of Technology, held on 19<sup>th</sup> March, 2017.
- Ansu Chaudhary, Pinki Karmakar & **Dr. Anju Paul** “ Review: Genetically Modified Foods: Blessing or Curse” 8<sup>th</sup> All India Inter Engineering College Academic Meet- 2017 & Innovative Model Competition for a Sustainable Society, organized by FOSET in association with Gurunanak Institute of Technology, held on 19<sup>th</sup> March, 2017.
- Manasi Roy, Mainak Ghosh & **Dr. Anju Paul** “Development of Mushroom Product: A Meat Substitute”, 8<sup>th</sup> All India Inter Engineering College Academic Meet- 2017 & Innovative Model Competition for a Sustainable Society, organized by FOSET in association with Gurunanak Institute of Technology, held on 19<sup>th</sup> March, 2017.
- Abhishek Kundu, Poulomi Mukherjee & **Dr. Subhajit Ray**, “Thermosonication a Suitable Approach of Alternative Processing”, 8<sup>th</sup> All India Inter Engineering College Academic Meet-2017 & Innovative Model Competition for a Sustainable Society, organized by FOSET in association with Gurunanak Institute of Technology, held on 19<sup>th</sup> March, 2017.
- Prajesh Nandy, Subhapriya Samanta & **Dr. Subhajit Ray**, “Microalgae as a Source of Natural Antioxidant”, 8<sup>th</sup> All India Inter Engineering College Academic Meet- 2017 & Innovative Model Competition for a Sustainable Society, organized by FOSET in association with Gurunanak Institute of Technology, held on 19<sup>th</sup> March, 2017.

- Rupsha Roychowdhury, Modhulika Dutta & **Dr. Subhajit Ray**, “Algae is a source of Biofuel”, 8<sup>th</sup> All India Inter Engineering College Academic Meet- 2017 & Innovative Model Competition for a Sustainable Society, organized by FOSET in association with Gurunanak Institute of Technology, held on 19<sup>th</sup> March, 2017.
- Sanjana Chakraborty, Ushnil Dutta & **Dr. Subhajit Ray**, “Development and Analysis of a Nutrient Enriched Tropical Fruit Concoction”, 8<sup>th</sup> All India Inter Engineering College Academic Meet- 2017 & Innovative Model Competition for a Sustainable Society, organized by FOSET in association with Gurunanak Institute of Technology, held on 19<sup>th</sup> March, 2017.

### National Journal

- **Amit Kumar Barman, Subhajit Ray, Kakali Bandyopadhyay, Anju Paul and Chaitali Chakraborty**, “Evaluation of Nutritional Characteristics and Microbiological Quality of Soymilk and Peanut Powder Blend” Accepted, *Journal of InterAcademia*, Vol.20, Issue Jul/Aug (2016), pp- 246-250, ISSN:0971-9016, (NAAS Rating: 3.96)
- **Dr. Subhajit Ray** and Dr. Kanta Bokaria, “Characterizing Soil Induced Variation of Arsenic Uptake in Rice Journal of Agricultural Engineering and Food Technology”, Vol.3, Issue 3, July-September, (2016), pp.172-177, p-ISSN:2350-0085, e-ISSN:2350-0263
- Priyanka Dutta, **Chaitali Chakraborty, Kakali Bandyopadhyay, Anju Paul and Subhajit Ray**, “Development and characterization of curd fortified by pineapple juice” *Indian journal of Dairy Science*, Vol.69, Issue 5, Sep/Oct( 2016), pp- 524-528, ISSN:0019-5146 (NAAS Rating: 4.19)
- **Chaitali Chakraborty, Amit Kumar Barman, Kakali Bandyopadhyay**, “Survey of Unorganized Sector Milk in and around Kolkata”, *J. Interacademia*, 20(4) 541-545 (2016), ISSN: 0971-9016, NAAS Rating: 3.96
- **Kakali Bandyopadhyay, Chaitali Chakraborty** and Smita Singha Roy, “Effect of Heat Treatment on the Rheological Properties of Pulse Based Cabbage Soup”, *J. Interacademia*, 20(4) 515-519 (2016), ISSN: 0971-9016, NAAS Rating: 3.96
- **Chaitali Chakraborty, Kakali Bandyopadhyay**, Shubham Mukherjee and Bornini Banerjee, Development and Quality Analysis of Milk Based Eggless Pudding, *J. Interacademia*, 20(4) 520-525 (2016), ISSN: 0971-9016, NAAS Rating: 3.96
- Kailash Barman, **Chaitali Chakraborty** and **Subhajit Ray**, “Studies on the process development for the production of locally available pineapple products”, *Journal of Interacademia*, 20(4), 508-514, (2016). ISSN: 0971-9016. (NAAS Rating: 3.96).
- **Chaitali Chakraborty**, Bornini Banerjee, Soumyadeep Pal, Subham Mukherjee, Lara Maity, Soumyadeb Bhattacharyya, Bigraho Hajra and Subhopriya Samanta, “Food safety challenges towards safe, healthy and nutritious street foods”, *Journal of Interacademia*, 20(4), 499-507, (2016) ISSN: 0971-9016. (NAAS Rating: 3.96).

- **Chaitali Chakraborty**, Prastuti Chakravorty, Riya Dasgupta, Suravi Chakravorty, Rupsa Roychowdhury and Debjit Ghosh, “Sweet Potato: Processing and Marketing: A Review”, *Journal of Interacademia*, 20(4), 562-568, (2016) ISSN: 0971-9016. (NAAS Rating: 3.96).
- **Kakali Bandyopadhyay** Sampurna Guhathakurta and **Chaitali Chakraborty**, “Studies on Utilization of Milk for Extraction of Polyphenols from Date Palm (*Phoenix dactylifera* L.)”. *Indian Journal of Dairy Science*, 70(1):116-118, (2017). ISSN:0019-5146, (NAAS Rating: 5.26)
- **Chaitali Chakraborty**, **Kakali Bandyopadhyay** and Shairee Ganguly, “Studies on Extraction and Characterization of Biocolour from Beet Root (*Beta vulgaris*)”, *Advances in Life Sciences*, 5(21):10150-10152, (2016) ISSN 2278-3849 (NAAS Rating: 3.56).

#### International Seminar / Conference

- Anusree Modak, Neelanjana Misra, **Chaitali Chakraborty and Kakali Bandyopadhyay**, “Herbs Fortified Whey Drink”, **International Conference on Emerging Technologies in Agricultural and Food Engineering (ETAE 2016)**, organized by Agricultural and Food Engineering Department, IIT Kharagpur, held on December 27-30, 2016.
- Smita Singha Roy, Soumyadeep Pal, **Kakali Bandyopadhyay and Chaitali Chakraborty** (2016). “Effect of Heat Treatment on the Functional Characteristics of Pulse based Tomato Soup”, **International Conference on Emerging Technologies in Agricultural and Food Engineering (ETAE 2016)**, organized by Agricultural and Food Engineering Department, IIT Kharagpur, held on December 27-30, 2016.
- Soumyadeep Pal, Gargi Sharma, **Kakali Bandyopadhyay and Chaitali Chakraborty** (2016). “Preparation and Characterization of Salt Extracted Sesame (*Sesamum indicum* L.) Protein Isolate”, **International Conference on Emerging Technologies in Agricultural and Food Engineering (ETAE 2016)**, organized by Agricultural and Food Engineering Department, IIT Kharagpur, held on December 27-30, 2016.
- Bornini Banerjee, Subham Mukherjee, Arunima Mukherjee, **Chaitali Chakraborty and Kakali Bandyopadhyay** (2016). “Utilization of Banana Peel as a Functional Ingredient in Chips Preparation”, **International Conference on Emerging Technologies in Agricultural and Food Engineering (ETAE 2016)**, organized by Agricultural and Food Engineering Department, IIT Kharagpur, held on December 27-30, 2016.
- Sayani Adhikary, Sanchita Mukherjee, **Chaitali Chakraborty and Kakali Bandyopadhyay** (2016). “Quality Analysis of Raw and Packaged Milk of Kolkata”, **International Conference on Emerging Technologies in Agricultural and Food Engineering (ETAE 2016)**, organized by Agricultural and Food Engineering Department, IIT Kharagpur, held on December 27-30, 2016.
- Saikat Gorai, Sruti Mondal, and **Subhajit Ray**, “Development and Utilization of Carrot Powder in Value Added Biscuit Production”, **International Conference on Emerging Technologies in Agricultural and Food Engineering (ETAE 2016)**, organized by Agricultural and Food Engineering Department, IIT Kharagpur, held on December 27-30, 2016.

- Ushni Dutta , Sanjana Chakraborty and **Subhajit Ray**, “Effect of Drying of Cucumber at Different Temperatures on Drying Characteristics and Physicochemical Properties”, **International Conference on Emerging Technologies in Agricultural and Food Engineering (ETAE 2016)**, organized by Agricultural and Food Engineering Department, IIT Kharagpur, held on December 27-30, 2016.
- Subhojit Singha , Chandrima Sarkar, Sukriti Dutta and **Subhajit Ray**, “Potentiality of Polymers in Food Packaging”, **International Conference on Emerging Technologies in Agricultural and Food Engineering (ETAE 2016)**, organized by Agricultural and Food Engineering Department, IIT Kharagpur, held on December 27-30, 2016.
- Chandrani Dutta and **Dr. Anju Paul**, “Comprehensive Study on the Antioxidants and Proximate Analysis of Fruits Vegetables”, **International Conference on Emerging Technologies in Agricultural and Food Engineering (ETAE 2016)**, organized by Agricultural and Food Engineering Department, IIT Kharagpur, held on December 27-30, 2016.
- Sukanya Kar, Dipsikha Mukherjee, Sreemoyee Moitra and **Dr. Anju Paul**, “Development of Value Added Biscuits Fortified by Whey Protein”, **International Conference on Emerging Technologies in Agricultural and Food Engineering (ETAE 2016)**, organized by Agricultural and Food Engineering Department, IIT Kharagpur, held on December 27-30, 2016.
- Manasi Roy, Mainak Ghosh and **Dr. Anju Paul**, “The Essence of Life – Aloe vera( Preparation of Pickle from Aloe vera)” **International Conference on Emerging Technologies in Agricultural and Food Engineering (ETAE 2016)**, organized by Agricultural and Food Engineering Department, IIT Kharagpur, held on December 27-30, 2016.
- **Dr. Anju Paul, Dr. Subhajit Ray** and Bigroha Hajra, “Analysis and Study on the Anti-oxidant of Citrus Fruits” , **International Seminar on Contemporary Developments in Nutritional Research** Organised by IQAC and Department of Food & Nutrition, Barrackpore Rastraguru Surendranath College, held on 5<sup>th</sup> and 6<sup>th</sup> January 2017.

#### Interational Journal

- **Chaitali Chakraborty**, Shramana Bhattacharyya, Sreemoyee Moitra and **Kakali Bandyopadhyay** (2017). Potential Application of Milk and Milk Products as Carrier for Herbs and Spices: A Review, **International Journal of Engineering Research and Science & Technology**, 6(1): 114-125, ISSN 2319 – 5991, **Impact Factor**:1.09.
- **Chaitali Chakraborty**, Arunima Mukherjee, Bornini Banerjee, Subham Mukherjee and **Kakali Bandyopadhyay** (2017). Utilization of Banana Peel and Pulp as a Functional Ingredient in Product Development: A Review, **International Journal of Engineering Research and Science & Technology**, 6(1):1-12, ISSN 2319 – 5991, **Impact Factor**:1.09.
- **Chaitali Chakraborty**, Gargi Sharma and Neelanjana Misra, (2017). Herbs fortified food - Key of Polyphenols: a Review, **International Journal of Engineering Research and Science & Technology**, 6(1): 18-29, ISSN 2319 – 5991, **Impact Factor**:1.09.

- **Chaitali Chakraborty**, Riya Dasgupta and Debjit Ghosh, (2017). Climatic conditions required and factors affecting the production of sweet potato, **International Journal of Agricultural Science and Research**, 7(1): 459-464, ISSN-2250-0057 (NAAS Rating: 4.13), **Impact Factor**: 4.8136.
- **Kanta Bokaria** and **Subhajit Ray**, Development of papaya peel flour based cookies and evaluation of its quality, **Journal of Multidisciplinary Engineering Science and Technology (JMEST)** ISSN: 2458-9403 online) Vol. 3 Issue 12, December – 2016, pp.6393-6396
- **Chaitali Chakraborty** and **Kakali Bandyopadhyay**, “Textural Analysis of Spongy Indian Milk Dessert (Rasogolla) Fortified with Potato Powder”, **International Journal of Current Microbiology and Applied Sciences**, 6(4 ): 2414-2420, (2017).ISSN: 2319-7706 (NAAS Rating: 5.38)
- **Shairee Ganguly**, **Chaitali Chakraborty** and **Kakali Bandyopadhyay**, “Development and Characterization of Biocolour (*Beta vulgaris*) Enriched Low Calorie Lassi (Yogurt Based Beverage)”, **International Journal of Current Microbiology and Applied Sciences**, 6 (4): 2265-2270, (2017) ISSN: 2319-7706 (NAAS Rating: 5.38)
- **Chaitali Chakraborty**, **Kakali Bandyopadhyay**, Bornini Banerjee and Shubham Mukherjee, “Banana peel wastes: potential source of antioxidant in banana chips”, **International Journal of Agricultural Science and Research (IJASR)**, 7(2):73-80, (2017) ISSN (Print): 2250-0057; ISSN (Online): 2321-0087; **Impact Factor (JCC)**: 4.8136; (NAAS Rating: 4.13); IBI Factor: 3.2

## DEPARTMENT: ECE

### **International Seminar / Conference**

- **Dr.Sunipa Roy**, Rashmi Sinha, Shambhavi, Seuli Maity, "TEM Analysis of Zero Silicon Micro Hot-plate for Gas Sensing Application" published in 3rd International Conference on Microelectronics, Circuits and Systems Micro-2016, 9-10th July, 2016
- **Dipasri Saha**, Kumar Ankit, Manish Kumar, Manoj Kumar Rawani, Binod Kumar, "A Mobile Operated ROBOT using DTMF Decoder & Motor Driver", 3rd International Conference on Microelectronics, Circuits and Systems Micro-2016, 9-10th July, 2016.
- **Suparna Biswas**, Aditi Bhowmik, Arka Chakraborty, Monalisa Debnath, Arnab Chatterjee, "Face Recognition using Spatial and Temporal features", 3rd International Conference on Microelectronics, Circuits and Systems, Micro-2016, 9-10th July, 2016
- **Arun Kumar Mondal and Soma Manna**, "Optimal Path Selection for AODV Routing Protocol in MANET", IEEE and CRC Press with Taylor & Francis Group sponsored International Conference ACCET 2016 Accepted, 21st and 22nd OCTOBER 2016



- **Suparna Biswas**, "An Efficient Face Recognition Method via Compressive Sensing", 1st International Conference on "VLSI, Devices, Circuits and Systems (VLSI DCS 2016), Accepted on 19-20 October, 2016
- **Dipasri Saha**, "Implementation of MPPT Method using BBO Algorithm for PV Generation System", 1st International Conference on "VLSI, Devices, Circuits and Systems (VLSI DCS 2016), Accepted on 19-20 October, 2016
- **Avali Ghosh, Sisir K. Das, Annapurna Das**, "Analysis of Radiation Coupling from Via in Multilayer Printed Circuit Board Traces", 14th International Conference on Electromagnetic Interference & Compatibility (INCEMIC 2016) and Workshop at Bengaluru, India accepted, 8th to 9th December 2016
- **Soma Manna, Arun Kumar Mondal and Piyu Sarker**, "Study of security threats in ad-hoc network and their mitigation", International Conference on Computational Advancement in Applied Science and Engineering (IC2A2SE - 2016) 4-6 October, 2016
- **Antara Ghosal, Anurima Majumdar, Sisir k Das, Annapurna Das**, "Design of Ground plane of a slotted microstrip Patch antenna for EMI rejection", 14th International Conference on Electromagnetic Interference & Compatibility (INCEMIC 2016) and Workshop at Bengaluru, India accepted, 8th to 9th December 2016.
- **Avali Ghosh, Sisir Kumar Das, Annapurna Das**, "Analysis of Crosstalk in High Frequency Printed Circuit Boards", accepted on International Conference on Electromagnetics in Advanced Applications IEEE- APS Topical Conference on Antennas and Propagation in Wireless Communications, 2017, published date- September 11-15, 2017.
- **Suparna Biswas**, "PCA based Face Recognition in Curvelet Compressive Measurements", published in First International Conference on Computational Intelligence, Communications, and Business Analytics, March 24-25, 2017.
- **Aditi Sengupta et.al.**, Effects of temperature on Microstrip circuits for extreme climates (ICTPACT-2017), 6th -8th April, 2017 Bharat Institute of Higher Education, Bangalore, India.

### International Journal

- **Sunipa Roy et.al.** "Development of microcontroller based integrated gas sensor system for detecting combustible gases", published in IET Circuit Device and Systems (IET). Communicated. Peer reviewed archival journal Thomson Reuter indexed. IF: 0.583

**DEPARTMENT: EE**

**International Seminar / Conference**

- **Mr. Arindam Roy, Dr. Prabal Deb, Ms. Madhumita Chakraborty.**"Alcohol Sensor Based Cost Effective Simple Car Ignition Controller"", 2016 first International conference on Advancement of Computer Communication and Electrical Technology (ACCET, 2016) ,Sept, 2016

### **International Journal**

- **Mr. Susovan Dutta,**"Cost Effective Multi-Purpose Solar Charger Unit for Rural Development,International Journal of Computer Sciences and Engineering August 2016
- **Mr. Susovan Dutta,** "Magnetically actuated transport of ferrofluid droplets over micro-coil array on a digital microfluidic platform"Elsevier,Sensors and Actuators B:Chemical,Volume 236, Pages 1-1132 (29 November 2016).
- **Dr. J K Das and Debnil Chakraborty,**"Effective Management of Transformer Inrush during Restoration of a Typical Industrial Power System"published in International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (An ISO 3297: 2007 Certified Organization) Vol. 6, Issue 2, February 2017 Copyright to IJAREEIE DOI:10.15662/IJAREEIE.2017.0602016 801
- **Suman Ghosh , Soumik Roy,** "Designing a Dual-Axis Solar Tracking System for increasing efficiency of a Solar Panel", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering(IJAREEIE), Impact Factor: 5.621, (An ISO 3297: 2007 Certified Organization) Vol. 5, Issue 12, December 2016.
- **Bikram Dutta, Suman Ghosh,** " Mathematical MATLAB Model and Performance Analysis of Asynchronous Machine ", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering(IJAREEIE), Impact Factor: 5.621, (An ISO 3297: 2007 Certified Organization), Vol. 6, Issue 4, April 2017.
- **Mr. Arindam Roy, Mr. Sisir Mazumder** "Design of micro/mini-wind-turbine(MWT) based Uninterrupted Power Supply(UPS) for domestic applications". International Journal of Innovations in Engineering and Technology (IJIET), ISSN: 2319-1058, February, 2017.

### **DEPARTMENT: AEIE**

### **International Conference**

- **Jayita Datta,** Madhuchhanda Mitra, "Automated Feature Extraction of ECG Signal by Position-Index Searching Method", IEEE-International Conference on Signal Processing, Communication, Power and Embedded System (SCOPE-2016) Technically Co-sponsored by IEEE Bhubaneswar Section on 03-05,October, 2016
- **Paramita Banerjee,**Ratna Ghosh and Bhaswati Goswami," Impedance model of a piezoelectric sensor derived from experimental responses", 1st International Conference on "VLSI, Devices, Circuits and Systems (VLSI DCS 2016), organized by IEEE MSIT Student Branch, IEEE MSIT EDS Student Branch Chapter, IEEE EDS Kolkata Chapter and IEEE SSCS Kolkata Chapter, in association with the Department of ECE, MSIT and technically cosponsored by IEEE Kolkata Section on 19-20<sup>th</sup> October, 2016.

- **Bapita Roy, Paramita Banerjee, Shubham Debnath, Satarupa Chakraborty and Anirban Chakraborty**, “Design of a Microcontroller Based Potentiometric Level Sensor”, 1st International Conference on “VLSI, Devices, Circuits and Systems (VLSI DCS 2016), organized by IEEE MSIT Student Branch, IEEE MSIT EDS Student Branch Chapter, IEEE EDS Kolkata Chapter and IEEE SSCS Kolkata Chapter, in association with the Department of ECE, MSIT and technically cosponsored by IEEE Kolkata Section on 19-20<sup>th</sup> October, 2016.
- **Jayita Datta\***, Sukanta Saha, Sayantan Chowdhury and Aditya Acharya, “Development of An ECG Signal Acquisition Module”, 2nd International Conference on “2017 Devices for Integrated Circuit (DevIC)”, organized by IEEE KGEC Student Branch Chapter in association with Department of ECE, KGEC, technically co-sponsored by IEEE EDS Kolkata Chapter during March 23-24, 2017.

### International Journal

- **Paramita Banerjee, Abhijit Chakraborty, Ratna Ghosh and Bhaswati Goswami**, “Predicting the dental implant stability based on the antiresonance phase of a piezo based impedance sensor”, Journal of International Clinical Dental Research Organisation, Accepted and will be published in January 2017 edition, *ISSN*: Print -2231-0754 , Online - 2231-5357, Indexed with index Copernicus, Indian Science Abstracts.
- **Bapita Roy, Paramita Banerjee, Subham Debnath, Satarupa Chakraborty, and Anirban Chakraborty**, "Microcontroller Based Automated Water Level Sensing", Journal of Advances in Industrial Engineering and Management has been communicated, *ISSN*: 2222-7059 (Print); *EISSN*: 2222-7067, 2016
- **Paramita Banerjee, Ratna Ghosh and Bhaswati Goswami**, "Series Impedance Model of a Piezoelectric Sensor based on Antiresonance Frequency (ARF) analysis", Journal of Advances in Industrial Engineering and Management, has been communicated, *ISSN*: 2222-7059 (Print); 2016, *EISSN*-2222-7067

### DEPARTMENT: ASH

### National Seminar / Conference

- **Sreyasree Basu**, "Preparation and evaluation of application of the Novel Calcium cross linked Carboxymethylguargum Ion Exchange Resin for Heavy Metal Removal in Surface Water", 1st Regional Science and Technology Congress, 2016 by DST, Govt. of WB in collaboration with NITTR. November, 2016
- **Mainak Debnath and Sreyasree Basu**, "Mononuclear Vanadium(V) complex with Phenol based Ligands: Synthesis, Characterization and Catalytic activities", 1st Regional Science and Technology Congress, 2016 by DST, Govt. of WB in collaboration with NITTR. November, 2016

- **Piyali Adak and Shyamal Kumar Chattopadhyay**, "Catecholase activity, DNA binding and cyto toxicity studies of a water soluble binuclear Cu(II) complex of pyridoxal Schiff base." 1st Regional Science and Technology Congress, 2016 by DST, Govt. of WB in collaboration with NITTR. November, 2016
- **Piyali Adak**, "Two pseudohalide-bridged Cu(II) complexes bearing the anthracene moiety: Synthesis, crystal structures and catecholase-like activity". Presented a paper at the Research Scholars Colloquium (RSC 2016) during August 23-24, 2016 at IEST, Shibpur.
- **Rajarshi Chakraborty** and Ratan Mandal, "A New Approach of Solar Thermal Steam Generator Design" ATE Paper No.40, Presented Paper at National Conference on Advances in Thermal Engineering during September 23-24, 2016, Jadavpur University, Kolkata, India
- **Dr. Soma Mukherjee** "Effect of electric field on SHG Signal of Chromophore doped Polymer Thin Film", Two days National Conference on Advances in Interdisciplinary Sciences 2017 organized by Science Forum, Bhairab Ganguly College held during 27-28<sup>th</sup> Jan 2017

### National Journal

- **Dr. Soma Mukherjee**: "Study of temperature dependent dc conductivity of  $Fe_{1-x}Co_xO_y$  film grown on MgO (100)", Proceedings of National Conference on Advancement in Frontier Physics : From 20<sup>th</sup> Century to the present NCAFP- 2016, p-23-26.

### International Seminar / Conference

- **Dr. Soma Mukherjee** "SHG signal of poled nonlinear optical DR1-doped PMMA film", Accepted for 104<sup>th</sup> Indian Science Congress organized by SRM University, Chennai, to be held during 3-7<sup>th</sup> Jan 2017
- **Dr. Sucharita Bhattacharyya**, "Solid Waste Management (SWM) : Case Study at an Educational Campus and in the neighbourhood of Panihati , North 24 Pargana, West Bengal, India" Abstract accepted, 6th Icon SWM 2016, November 24-26, 2016 at Jadavpur University, Kolkata, India, to be held during November 24-26, 2016
- **Sreyasree Basu and Mainak Debnath**, "Structural Vagary of the Guar Gum: Owing to the Water Crystallization Inhibition Property". Awarded as the best paper presentation (Id: IC2A2SE-2016-07-CCE-07) in track Chemistry & Chemical Engg. in International Conference on Computational Advancement in Applied Science and Engineering (IC2A2SE-2016) from Oct 4-6, 2016, organized by Narula Institute of Technology, Agarpara, Kolkata.
- **Anup Kumar Thander, Dr. Sucharita Bhattacharyya**, "Optimization of Structure Parameters of a Rib wave guide using Optical Modal Index analysis through Higher Order Compact FDM-IEEE UPCON 2016, (IEEE Conference), Accepted 2016 Nov.

- **Mr. Anup Kumar Thander & Dr. Sucharita Bhattacharyya**, "Newton-Krylov Subspace Method to study Structure Parameter Optimization in Rib Wave Guide Communication", International Conference on Industry Interactive Innovation in Science, Engineering and Technology (I3SET2016) published in October 2016 in Springer Publication.
- **Mr. Anup Kumar Thander & Dr. Sucharita Bhattacharyya**, "Study of Optical Modal Index for semi conductor rib wave guides using Higher Order Compact Finite Difference Method", Optik - International Journal for Light and Electron Optics- An Elsevier Journal
- **Rajarshi Chakraborty** and Ratan Mandal "Design and Optimization of Conceptual Solar Thermal Steam Generator" Abstract Accepted for International Conference on Energy Options for Tomorrow: Technology to Sustainability (ICEOT 2017) Science City Kolkata India Organised By: The Neotia University, West Bengal, India to be held during 17-19, April 2017 .
- **Piyali Adak**, "Tetra and dinuclear Zinc(II) complexes with thiolato bridges: Synthesis, X-ray Crystal Structures, Spectroscopic Characterization, ATP binding, DNA binding and Phosphatase like activity". Presented a paper at 5th Symposium on Advanced Biological Inorganic Chemistry (SABIC 2017) held in Kolkata during January 7-11, 2017, organized by IACS and TIFR.

### International Journal

- **Chinmay Ghosh**, "A note on relative  $(p, q)$  th proximate order of entire functions" Journal of Mathematics Research; Vol. 8, No. 5; Oct. (2016), pp. 1-11. ISSN 1916-9795(Print) ISSN 1916-9809 (Online)
- **Chinmay Ghosh**, "Generalized Relative Order-Dependent Growths of Composite Entire Functions" (accepted for publication at *Communications of the Korean Mathematical Society*) (SCOPUS indexed)
- **Chinmay Ghosh**, "On Relative  $(p; q)$ -th Order Based Growth Measure of Entire Functions", Filomat 30:7 Aug. (2016), pp. 1723-1735. ISSN 0354-5180 (Print) ISSN 2406-0933 (Online). DOI 10.2298/FIL1607723D.(SCI indexed) (impact factor 0.638)
- **Anup Kumar Thander, Dr. Sucharita Bhattacharyya**, " Study of optical modal index for semiconductor rib waveguides using higher order compact finite difference method", Optik, (an Elsevier Journal) , Vol. 131, pp.775-784, February 2017
- **Piyali Adak**, "Two pseudohalide-bridged Cu(II) complexes bearing the anthracene moiety: Synthesis, crystal structures and catecholase-like activity". Polyhedron, Vol. 119, Aug. (2016), pp. 39-48, ISSN: 0277-5387 (impact factor: 2.108).
- **Piyali Adak**, "Catecholase activity, DNA binding and cytotoxicity studies of a Cu(II) complex of a pyridoxal schiff base: synthesis, X-ray crystal structure, spectroscopic, electrochemical and theoretical studies". RSC Adv., Vol 6, Aug. (2016), pp. 86851-86861, ISSN: 2046-2069 (impact factor: 3.289).

- **Piyali Adak**, “Vanadium(V) complexes of some bidentate hydrazone ligands and their bromoperoxidase activity.” Polyhedron, In Press, Accepted Manuscript, <http://dx.doi.org/10.1016/j.poly.2017.01.054>, ISSN: 0277-5387 (impact factor: 2.108)
- **Piyali Adak**, “Ruthenium(II) complexes of thiosemicarbazones: Synthesis, X-ray crystal structures, spectroscopy, electrochemistry, DFT studies and fluoride sensing properties.” Inorganica Chimica Acta, Vol. 459, Jan. (2017), pp. 1-14, ISSN: 0020-1693 (impact factor: 1.918).

**2015-16**

**DEPARTMENT: CSE**

**International Seminar / Conference**

- **Mrs. Srabani Kundu**: “Low latency event boundary detection in wireless sensor networks “In Proceedings of Nineth IEEE International Conference on Advanced Networks and Telecommunication Systems (ANTS) Sponsored by IEEE Communications Society, 2015 (15<sup>TH</sup> Dec, 2015 - 18<sup>th</sup> Dec, 2015 )
- **Ipsita Saha, Amit Kundu, Sadhan K Ghosh** “Adoption of Enterprise System in the SME Sector of India-A Conceptual Study”- International Conference on E-Business and Supply Chain Competitiveness (EBSCC 2016) at IIT, Kharagpur, 12-14 Feb, 2016
- **Mandira Banik**, “Railway Signalling System using Petrinet (3 ways)”, published in International Conference on Current Research in Engineering Science and Technology, June 2016

**International Journal**

- **Sandip Tigga, Nirupam Saha, Sourish Mitra**: “Microcontroller Based Magnetic Field Strength Measurement System” accepted in International Journal of Engineering Development & Research, ISSN: 23219-939, Volume 4, Issue 2, impact Factor: 3.97, April, 2016.
- **Sayani Chandra, Bidyutmal Saha, Rafiqul Islam, Sourish Mitra**: “A Relative Survey on Wireless Mobile Technology” published in International Journal of Advanced Research In Computer Science & Software Engineering, [ISSN(Online): 2277 128X][ISSN(Print): 2277 6451], Volume 4, Issue 2, impact Factor: 2.5, April, 2016.
- **Pallabi Das, Rafiqul Islam, Nirupam Saha, Sourish Mitra, Sayani Chandra**: “Association Rule Mining for Gene Expression Data A Neural Network Approach” published in International Journal of Engineering Trends and Applications, IJETA , Vol 3 Issue 2, ISSN 2393-9516, ISO 3297:2007, April 2016

- **Sourish Mitra, Sandip Tigga, Anirban Roy:** "Microcontroller Based Universal Asynchronous Receiver Transmitter (UART) Communication System" accepted in International Journal of Engineering Development & Research, ISSN :2321-9939, Volume 4, Issue 2, Impact factor: 3.97, April 2016
- **Sandip Tigga, Sourish Mitra, Angika Roy, :** "Internet of Things(IOT) based Smart Health Care System" accepted in International Journal of Engineering Development & Research ISSN:2321-9939, Volume 4, Issue 2, Impact factor: 3.97, April 2016
- **Bidyutmal Saha, Nirupam Saha, Swatilekha Saha:** "Discrete Cosine Transform based Steganographic Approach Using JPEG Quantization Table" accepted in International Journal of Engineering Development & Research, ISSN :2321-9939, Volume 4, Issue 2, Impact factor: 3.97, April 2016
- **Bidyutmal Saha, Nirupam Saha, Swatilekha Saha:** "A Novel Approach: Architecture Based Various Designing Issues on Wireless Sensor Network Environment", accepted in International Journal of Engineering Development & Research ISSN:2321-9939, Volume 4, Issue 2, Impact factor: 3.97, April 2016
- **Debraj Roy, Sourish Mitra, Sayani Chandra:** "A Cryptographic Approach Depending Upon Destination Coordinate Location for GPS Receiver", accepted in International Journal of Engineering Development & Research ISSN:2321-9939, Volume 4, Issue 2, Impact factor: 3.97, April 2016.
- **Moloy Dhar, Sourish Mitra, Sandip Tigga:** "Identification of Human image using Cascade object detector method" ,accepted in International Journal of Engineering Development & Research ISSN:2321-9939, Volume 4, Issue 2, ,Impact factor: 3.97, April 2016
- **Moloy Dhar, Reyad Hossain:** "Implementation of Hand biometrics on mobile devices" published in Gurukul International Multidisciplinary Research Journal, ISSN:2394-8426, Volume 6, Issue 2, Volume, Impact factor: 2.254, March 2016
- **Sayani Chandra, Suparna Karmakar,:** "A Well-Formed Petri Net Based Modelling Approach for Emergency Situation handling in Hospital" published in International Journal of Innovations in Engineering and Technology (IJIET), ISSN: 2319-1058, Impact factor: 0.672 Volume 6, Issue 4 - April 2016
- **Bidyutmal Saha, Rafiqul Islam** "An Accident Prevention Technique For Speed Bumper Detection Through IR" published in IOSR Journal of Computer Engineering (IOSR-JCE), ISSN: 2278-0661, p-ISSN: 2278-8727, Volume 18, Issue 2, Impact factor: 1.231, March 2016
- **Rafiqul Islam, Shirshankar Basu, Supriya Das:** "Encryption Key Generation by Using Biometric approach in Secure Data Packet Transfer", accepted in International Journal of Engineering Development & Research, ISSN:2321-9939, Volume 4, Issue 2, Impact factor: 3.97, April 2016.
- **Moloy Dhar, Sandip Tigga, Shirshankar Basu, Pallabi Das:** "Mood detection of Human image using human-computer interaction method" accepted in International Journal of Engineering Trends and Applications, IJETA , Vol 3 Issue 2, ISSN 2393-9516, ISO 3297:2007, Impact factor: 1.81, April 2016
- **Sinthia Roy,** "Arithmetic Of Fifth Generation Computer" published in Computer International Research Journal of Engineering and Technology, March, 2016.

- **Sraboni Kundu, Debraj Roy**, "Heterogeneous Multihop Wireless Networks Based on Srr and Bar Routing Protocols", published in International Journal of Research in Advanced Engineering Technology, April 2016, Impact factor-3.9.

## **DEPARTMENT: IT**

### **International Seminar / Conference**

- Prabhakar Kumar, Hardip Singh Kataria and **Trishita Ghosh**: "**Congestion control approach by reducing the number of messages in VANET**" 4th International Conference on reliability, infocom technologies and Optimization (ICRITO 2015), September 2-4, 2015.
- **Tridib Chakraborty, Mizan Md Chowdhury**: "**Minimization of Cost requirement in different OLAP Technology**" International Conference on Current Research in Engineering Science and Technology (ICCREST-2016) ISSN 2321 – 3361.May 2016, Page-619,Trichy,Chennai.
- **Sudeep Ghosh, Mandira banik, Pramit Karmakar**: "**Prebond TSV Based 3D-SIC Testing**" International Conference on Current Research in Engineering Science and Technology (ICCREST-2016). ISSN 2321 – 3361.May 4-6, 2016. Trichy,Chennai.
- **Mandira banik, Sudeep Ghosh, Krishendu Dutta** : "**Railway Signaling System Using Petri Net (3 Ways)**" International Conference on Current Research in Engineering Science and Technology (ICCREST-2016). ISSN-2321 – 3361May 4-6, 2016. Trichy, Chennai.
- **Chowdhury Md Mizan, Sreya Bhattacharya** "**NEXT GENERATION SEQUENCING TECHNOLOGY**" International Conference on Recent Trends in Engineering and Technology (ICRTET-2016) on May 15th, 2016 Bengaluru, India.

### **International Journal**

- **Tridib Chakraborty, Mizan Md Chowdhury**, "**Remote Voting System Using Extended Visual Cryptography**", International Journal of Science and Research (IJSR) Index Copernicus Value (2013): 6.14 , ISSN (Online): 2319-7064, Volume 4 Issue 9, Sept,2015.
- **Baisakhi Das, Biplab K Sikdar**, "**Exploring the Impact of Fault on CMPs' Power for Diagnosis of Faulty Module:**" Journal of Parallel and Distributed Computing, Elsevier . ( Communicated).
- **Baisakhi Das, Biplab K Sikdar**, "**Design of CA based data Migration for Chip Multiprocessors**" Journal of Microprocessors and Microsystems, Elsevier.( Communicated).
- **Tridib Chakraborty , Nilakshee Chakraborty** "**A novel Cryptography Scheme for Secret Recovery**" International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064,Impact factor-6.3. vol-7, issue-6 Page-1204,May,2016.
- **Sudeep Ghosh, Mandira Banik** "**Modelling of Metro railway signaling using petri net**" International Journal of Advanced research in Computer and Communication Engineering (IJARCCE), ISSN (online)-227-1021,ISSN (Print) 2319-5940. Impact Factor- 5.332 issue 4 Vol-7 July, 2015.
- **Suparna Karmakar, Sayani Chandra** "**A well-Formed petri Net Based Modeling Approach for Emergency Situation handling in Hospital**" International Journal of Innovations in Engineering and



Technology (IJET), volume 6, Issue 4, April, 2016, ISSN: 2319 – 1058 Page no: 651-657, Impact factor: 0.672.

- **Sudeep Ghosh, Mandira Banik** “**Post bond 3D IC Testing**” International Journal of Scientific & Engineering Research (IJSER), ISSN 2229-5518, Impact Factor- 3.45 Volume-8 Issue-6, June 2016 (Accepted & Registered)

## **DEPARTMENT: FT**

### **National Seminar / Conference**

- **Kakali Bandyopadhyay, Chaitali Chakraborty** and Sagarika Bhattacharyya (2015). **Fortification of Mango Kernel Powder in Biscuit Formulation**, Abstract published in the seminar proceedings of National Conference on the Process and Products Development for Better Economy Benefits of the Fats and Oil Industry, organized by Oil Technologists' Association of India, held on 21<sup>st</sup> -22<sup>nd</sup> November, 2015 at Kolkata, W.B.
- **Chaitali Chakraborty** and Sanjana Chakraborti (2016). **“Advancement in Packaging of Milk and Milk Products”**, Full Paper published in Seminar Proceedings of National Seminar on a theme “Dairying: Innovative Technology Initiatives in Production and Processing”, organized by Indian Dairy Association (EZ), held on 12<sup>th</sup> March, 2016 at West Bengal Veterinary Council Bhawan Auditorium, Belgachia, Kolkata, W.B.
- Sudipta Sain, Dipsikha Mukherjee and **Chaitali Chakraborty** (2016). **“Food Packaging: Innovation for the future”**, Full paper published in the seminar proceedings of 7<sup>th</sup> All India Inter College Academic Meet-2016 & Innovative model competition for a sustainable society, organized by FOSET, held on 13<sup>th</sup> March, 2016, at Kolkata, W.B.
- Sreemoyee Moitro, Sukanya Kar and **Subhajit Ray**, **“Role of Functional Ingredients in Functional Foods”**, Full paper published in the seminar Proceedings of 7<sup>th</sup> All India Inter College Academic Meet-2016 & Innovative model competition for a sustainable society, organized by FOSET, held on 13<sup>th</sup> March, 2016, Kolkata, W.B.
- Ankita Kundu, Bhaswati De and **Chaitali Chakraborty** (2016). **“Study on effect of drying on banana chips”**, Full paper published in the seminar proceedings of 7<sup>th</sup> All India Inter College Academic Meet-2016 & Innovative model competition for a sustainable society, organized by FOSET, held on 13<sup>th</sup> March, 2016, at Kolkata, W.B.
- Anusre Modak, Nilanjana Mishra and **Kakali Bandyopadhyay**, **“Fortification of Sesame Seed Meal in Cookies Formulation”**, Full paper published in the seminar proceedings of 7<sup>th</sup> All India Inter College Academic Meet-2016 & Innovative model competition for a sustainable society, organized by FOSET, held on 13<sup>th</sup> March, 2016, at Kolkata, W.B.
- Sreyasi Deb and **Dr. Anju Paul**, **“Energy Drinks”** Full paper published in the seminar proceedings of 7<sup>th</sup> All India Inter College Academic Meet-2016 & Innovative model competition for a sustainable society, organized by FOSET, held on 13<sup>th</sup> March, 2016, at Kolkata, W.B.
- Chendrima Basu, Priyanka Dasgupta and **Dr. Anju Paul**, **“Characterization of Aloe vera and Development of Different Aloe vera Products”** Full paper published in the seminar proceedings of 7<sup>th</sup> All India Inter College Academic Meet-2016 & Innovative model competition for a sustainable society, organized by FOSET, held on 13<sup>th</sup> March, 2016, at Kolkata, W.B.

### **National Journal**

- **Sunita Adhikari**, “**Preparation of Ice Lolly using Beet color**” Beverage & Food World Journal, Vol. 42, Issue 9, Sep(2015), pp. 39-40, ISSN: 0970-6154
- **Subhajit Ray**, “**Development of Different Jackfruit Products-A Review**” Beverage & Food World Journal, Vol. 32, Issue 8, August(2015), pp.35-38, ISSN: 0970-6154
- Priyam Mondal, Puja Jha, and **Subhajit Ray**, “**Development and Evaluation of Quality of Carrot Fortified Chips**”, Beverage & Food World Journal, Vol.42, Issue 11, Nov(2015), pp. 46-48, ISSN: 0970-6154
- Dipsri, **Subhajit Ray**, “**A Comparative Study on Drying Kinetics of Tray Dried Cucumber Under Different Temperature and Their Physicochemical Properties**”, Beverage & Food World Journal, Vol.42, Issue 12, Dec(2015), pp 46-50, ISSN:0970-6154
- **Chaitali Chakraborty**, Pijus Kanti Ghatak, and Amal Krishna Bandyopadhyay, “**A Comparative Study on the Textural quality of Herbal Sandesh Made in Laboratory and Collected from Local Markets of Kolkata**”, Indian Journal Animal Health. Vol**54**, Issue 1, 2015 pp 55-62. ISSN: 0019-5057.(NAAS Rating: 2.08).
- **Priyanka Dutta, Sunita Adhikari, Chaitali Chakraborty, Kakali Bandyopadhyay, Anju Paul and Subhajit Ray**, “**Development and Characterization of Curd Fortified by Pineapple Juice**”, Accepted, Indian journal of Dairy Science, Vol.69, Issue 5, Sep/Oct( 2016), ISSN:0019-5146(NAAS Rating: 4.19)

### International Seminar / Conference

- **Chaitali Chakraborty, Kakali Bandyopadhyay, Anju Paul and Subhajit Ray**, “**Development of Curd Fortified by pineapple and Orange Juice**”, International conference on ‘Recent Advances in Food Processing and Biotechnology’, organized by Centre of Food Science and Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India, held on 5<sup>th</sup> and 6<sup>th</sup> April 2016, pp71, IJCN: ISSN:0971-9210.
- Manasi Roy, Chandrani Dutta and **Subhajit Ray**, “**Utilization of By-Products from Egg and Egg Product Industries**”, Proceedings of International conference on ‘Recent Advances in Food Processing and Biotechnology’, organized by Centre of Food Science and Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India, held on 5<sup>th</sup> and 6<sup>th</sup> April 2016, pp303, IJCN:ISSN:0971-9210.
- Sanjana Chakraborti, Ushnil Dutta and **Subhajit Ray** “**Sustainable & Edible Packaging-When food gets Wrapped**”, Proceedings of International conference on ‘Recent Advances in Food Processing and Biotechnology’, organized by Centre of Food Science and Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India, held on 5<sup>th</sup> and 6<sup>th</sup> April 2016, pp323-324, IJCN:ISSN:0971-9210.
- Smita Singha Roy, Lara Maity, **Kakali Banyopadhyay and Chaitali Chakraborty**. “**Effect of Processing on the Functional Properties of Pulse Based Cabbage Soup**”, International conference on ‘Recent Advances in Food Processing and Biotechnology’, organized by Centre of Food Science and Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India, held on 5<sup>th</sup> and 6<sup>th</sup> April 2016, pp160, IJCN: ISSN:0971-9210.
- Lara Maity, Smita Singha Roy, **Chaitali Chakraborty, and Kakali Banyopadhyay**, “**Effect of Fortification of Raisin and Dates in Milk**”, International conference on ‘Recent Advances in Food Processing and Biotechnology’, organized by Centre of Food Science and Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India, held on 5<sup>th</sup> and 6<sup>th</sup> April 2016, pp 192, IJCN: ISSN:0971-9210.

- Subham Mukherjee, Bornini Banerjee, **Kakali Banyopadhyay and Chaitali Chakraborty**, “**Fortified Vegetable Pudding: Technology and Quality Control**”, International conference on ‘Recent Advances in Food Processing and Biotechnology’, organized by Centre of Food Science and Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India, held on 5<sup>th</sup> and 6<sup>th</sup> April 2016, pp 260, IJCN: ISSN:0971-9210.
- Subhajit Basu, Ankita Kundu, Bhaswati De, Sk. Nazim Ahmed, **Kakali Banyopadhyay and Chaitali Chakraborty**, “**Nutraceutical Application and Value Addition of Banana Chips**”, International conference on ‘Recent Advances in Food Processing and Biotechnology’, organized by Centre of Food Science and Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India, held on 5<sup>th</sup> and 6<sup>th</sup> April 2016, pp 291, IJCN: ISSN:0971-9210.
- Bornini Banerjee, Subham Mukherjee, **Kakali Banyopadhyay and Chaitali Chakraborty**, “**Preparation and Characterization of Value Added Banana Chips**”, International conference on ‘Recent Advances in Food Processing and Biotechnology’, organized by Centre of Food Science and Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India, held on 5<sup>th</sup> and 6<sup>th</sup> April 2016, pp 295, IJCN: ISSN:0971-9210.
- Mainak Ghosh, Saikat Gorai and **Amit Kumar Barman**, “**Development of a value added fermented nutra beverage from Madhuca latifolia flower**”, International conference on ‘Recent Advances in Food Processing and Biotechnology’, organized by Centre of Food Science and Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India, held on 5<sup>th</sup> and 6<sup>th</sup> April 2016, pp 217-218, IJCN: ISSN:0971-9210.
- Arunima Mukherjee and **Dr. Anju Paul**, “**Development of Different Products from Wood Apple**” International conference on ‘Recent Advances in Food Processing and Biotechnology’, organized by Centre of Food Science and Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India, held on 5<sup>th</sup> and 6<sup>th</sup> April 2016, pp 215-216, IJCN: ISSN:0971-9210.
- Sruti Mandal and **Dr. Anju Paul**, “**Aloe vera: A Functional Ingredient of Food**” International conference on ‘Recent Advances in Food Processing and Biotechnology’, organized by Centre of Food Science and Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India, held on 5<sup>th</sup> and 6<sup>th</sup> April 2016, pp 219-220, IJCN: ISSN:0971-9210.
- **Amit Kumar Barman** and Utpal Roy Choudhuri, “**Co-culture fermentation of soy-pea nut milk for the development of a novel functional curd**”, Journal of InterAcademia, Vol.20, (2016), ISSN:0971-9016 (NAAS Rating:2.34)
- **Amit Kumar Barman** and Utpal Roy Choudhuri, “**Nutritional and functional properties of the soybean**”, Journal of InterAcademia, Vol.20,(2016),ISSN:0971-9016(NAAS Rating:2.34)
- **Amit Kumar Barman**, “**shelf life Evaluation of Whey based Banana Herbal (Mentha arvensis) Beverage** ”, Journal of InterAcademia, Vol.20,(2016),ISSN:0971-9016(NAAS Rating:2.34)
- **Amit Kumar Barman, Subhajit Ray, Kakali Bandyopadhyay, Anju Paul and Chaitali Chakraborty**, “**Evaluation of Nutritional Characteristics and Microbiological Quality of Soymilk and Peanut Powder Blend**”, Accepted, Journal of InterAcademia, Vol.20, Issue Jul/Aug (2016), ISSN:0971-9016 (NAAS Rating:2.34)
- **Chaitali Chakraborty, Amit Kumar Barman and Kakali Bandyopadhyay**, “**Survey of unorganized sector Milk in and around Kolkata**” Journal of InterAcademia, Vol.20, (2016), ISSN:0971-9016 (NAAS Rating:2.34)

- **Amit Kumar Barman, Subhajit Ray, Kakali Bandyopadhyay, Anju Paul and Chaitali Chakraborty,** "Evaluation of Nutritional Characteristics and Microbiological Quality of Soymilk and Peanut Powder Blend" Accepted, Journal of Inter Academia, Vol.20, Issue Jul/Aug (2016), ISSN:0971-9016

### International Journal

- \* **Subhajit Ray,** "Applications of Extra cellular Microbial Lipase- A Review" International Journal of Research in Biotechnology & Biochemistry, ,Vol.5, Issue 1, Aug(2015), pp. 6-12, ISSN: 2277-3827 (Impact Factor 1.2)

### DEPARTMENT: CA

#### International Conferences

- **Sharmistha Dey, Santanu Kr Sen,** "An innovative Concept of 4- Dimensional Security Matrix for Cloud Computing " ,Paper presented in International Conference of Research in Intelligent Computing in Engineering(RICE 2016), Nagpur, Maharastra, 4-6th April 2016, Conefrence Proceedings on MGH Publication.

### International Journal

- **Dola Saha, PrajnaParamita Ray,** "Sentiment Analysis on Tweet Data Sets using Data Mining Techniques" in International Journal Advanced Research in Computer Science and Software Engineering (IJARCSSE, ISSN: 2277-128X), Volume- 5, No-8, pp-932-937, August 2015
- **Sharmistha Dey:** "Use of Some Popular Android Applications in Post Disaster Management Scenario", published on International Journal of Computer Science and Information Technology, Volume 6, Issue 6, pp: 5274-5278, December 2015.
- **Dola Saha,** "An approach for Cluster Analysis on Tweet Dataset" ,International Journal of Advance Research in Computer Science and Management Studies(Manuscript accepted for Publication)
- **Sharmistha Dey,** "Survey on Importance of Context aware Security in Distributed Computing Environment Like Cloud", International Journal of Advanced Research in Computer Science and Software Engineering[ISSN: 2277 128X], Vol 5, Issue 4, pp-1077-1084, April 2015
- **Sharmistha Dey, Santanu Kumar Sen,** "4- Dimensional Security Matrix An innovative approach towards cloud security analysis"(Article ID : IJCSYSE-142692), in International Journal of Computational Systems Engineering (IJCSYSE), paper accepted and under review process
- **Prajna Paramita Ray,** "A New Access Control Model in Cloud Computing ", International Journal of Advance Research in Computer Science and Management, (Paper ID: V4I4-0052), Volume 4, Issue 4, May 2016
- **Prajna Paramita Ray.,** "Survey on Cloud Based Internet of Things Environment", International Journal of Advance Research in Computer Science and Management , Vol 4 Issue 4, May 2016.

- **Somalina Chowdhury**, MESSAGE DECODING USING DISTINCT CRYPTOGRAPHIC METHOD(VOL-4,ISSUE-4)APRIL-2016, published in International Journal of Emerging Science and Engineering(IJESE)
- **Somalina Chowdhury**, "NEW CRYPTOGRAPHIC TECHNIQUE & IMPLIMENTATION USING GENETIC ALGORITHM (VOL-4,ISSUE-4)", published in International Journal of Emerging Science and Engineering(IJESE)

## **DEPARTMENT: ECE**

### **International Seminar / Conference**

- **DipasriSaha**: "A GSA Based Improved MPPT System for PV Generation", 2015, IEEE INTERNATIONAL CONFERENCE ON RESEARCH IN COMPUTATIONAL INTELLIGENCE AND COMMUNICATION NETWORKS (ICRCICN 2015), 20-22 Nov, 2015
- **Suparna Biswas** : "An Efficient Face Recognition method using Contour let Transform" 2015, IEEE INTERNATIONAL CONFERENCE ON RESEARCH IN COMPUTATIONAL INTELLIGENCE AND COMMUNICATION NETWORKS (ICRCICN 2015), 20-22 Nov, 2015
- **Dr. Sunipa Roy**, "Simulation and analytical Study of MEMS based Piezoresistive Pressure Sensor" International Conference MicroCom2016, NIT Durgapur, 17-19 January, 2016
- **Koushik Pal** "Generation of Novel Encrypted Code using Cryptography for Multiple Level Data Security for Electronic Patient Record"(pp-916-921, indexed in IEEE Explore) in IEEE International Conference on Bioinformatics and Biomedicine-BIBM 2015, at Washington DC, USA, 9-12 NOV 2015

### **International Journal**

- **Surajit Basak**, "Route Selection for Interference Minimization to Primary Users in Cognitive Radio Ad Hoc Networks: A Cross Layer Approach", Elsevier Journal of Physical Communication, Accepted in December 2015.
- **Palasri Dhar**, "A Comparison between ballistic and scattering limited mobility in GaN Single quantum well and AlGaIn/GaN heterostructure, Journal Of Electron Devices, March ,2016 issue
- **AnurimaMajumdar, Antara Ghosal, Sisir K Das, Annapurna Das**, "Design and Analysis of a tuned circular patch antenna for satellite communication application in C band", International

Journal of Advanced Research in Computer and Communication Engineering, April, 2016, impact factor: -5.332

- **Antara Ghosal, Anurima Majumdar, Sisir K Das, Annapurna Das**, "Dual Band Microstrip Antenna for Mobile Hand Set", International Journal of Advanced Research in Computer and Communication Engineering, April, 2016, IF-5.332
- **Anurima Majumdar**, "The Effect of Defective Ground Plane on a Wide Band Dual Frequency Circular Patch Antenna", International Journal of Advanced Research in Computer Science and Software Engineering, VOLUME 6, ISSUE 4, APRIL 2016, IF-2.5.
- **Anurima Majumdar**, "Design and Analysis of a Wideband CPW fed Circular Patch Antenna for Wireless Communication Applications", International Journal of Innovative Research in Computer and Communication Engineering, Vol. 4, Issue 5, May 2016, IF-5.618
- **Anurima Majumdar**, "A Comparative Study Based On Design Parameter Variance in A Circular Patch Antenna Enclosed By A Rectangular ring For Multiband Operation in Wireless And Satellite", International Journal of Engineering Science and computing, April, 2016, IF-5.611
- **Antara Ghosal**, "Multifrequency Microstrip Antenna for Mobile Communication", International Journal of Engineering Science and Computing Journal, April-16, IF-5.618
- **Palasri Dhar**, "Ballistic and Scattering Limited Mobility in Gan Single Quantum Well and Algan/Gan Step Quantum Well: A Comparative Study", International Journal for Scientific Research & Development, April 2016, IF-2.39
- **Prof. Dr. Arun Kr. Mondal, Soma Boral**, "Outage Capacity of MIMO Mobile Ad Hoc Network" International Research Journal of Engineering and Technology, April 2016, IF-4.45, Vol. 3, Issue 4, April 2016, page: 711-713, e-ISSN: 2395-0056, p-ISSN: 2395-0072
- **Prof. Dr. Arun Kr. Mondal, Soma Boral**, "Enhancement of TCP Performance over MANET", International Research Journal of Engineering and Technology, May 2016, IF-4.45, e-ISSN: 2395-0056, p-ISSN: 2395-0072, Volume 3 Issue 5, May 2016, page: 714-716
- **Aditi Sengupta**, "Analysis of Bandwidth Limitations of Parallel Coupled Microstrip Filter", International Journal of Engineering Science & Computing, IJESC, DOI 10.4010/2016.1107, ISSN 2321 3361 © 2016 IJESC Volume 6, Issue No.5. page no. 4868-4871, May, 2016, IF-5.6
- **Soma Manna, Arun Kumar Mondal** "Link Layer Capacity of MIMO Ad Hoc Network with Noise Environment", International Journal For Scientific Research and Development, ISSN: 2321 0613, Vol.3, Issue 12, Feb 2016 page: 738-740, IF-2.39

**DEPARTMENT: ASH**

**National Journal**

- **Mrs. Sucharita Chakrabarti** and Hiranmay Dasgupta, "Classification of Points of M-discontinuity of a mapping in m-spaces", Journal of Tripura Mathematical Society, 16 (March 2016), 1-10, ISSN: 0972-1320,
- **Mrs. Sucharita Chakrabarti** and Subhasis Saha, " Study of metallic crystal lattices using graphs", Journal of Tripura Mathematical Society, 11(2) 105-110, January, 2016, ISSN: 2231-5314.

#### National Seminar / Conference

- **Mrs. Sucharita Chakrabarti,** " Study of metallic crystal lattices using graphs", National Conference on Emerging Trends in mathematics and Mathematical Sciences (NCETMMS) organized by Calcutta Mathematical Society, Salt Lake, December 17-19, 2015.
- **Dr. Soma Mukherjee:** "Study of temperature dependent dc conductivity of  $Fe_{1-x}Co_xO_y$  film grown on MgO (100)", National Conference on Advancement in Frontier Physics : From 20<sup>th</sup> Century to the present organised by the Dept. of Physics, Bhairab Ganguly College, Kolkata, 26<sup>th</sup> – 27<sup>th</sup> Feb. 2016

#### International Seminar / Conference

- **Dr. Sucharita Bhattacharyya & Mr. Anup Thander** "Rib wave guide propagation through modal index study using Higher Order Compact Finite Difference Method" Codec 2015: IEEE international conference organized by the Institute of Radio Physics & Electronics, CU (ISBN 978-1-4673-9513-7) 16-18 Dec. 2015
- **Dr. Sucharita Bhattacharyya & Mr. Anup Thander** : "Optical Wave guide analysis using Higher Order Compact FDM in combination with Newton Krylov Subspace Methods" IEEE International Conference on Research in Computational Intelligence and Communication Networks 2015: organized by RCCIT, Kolkata, 20-22 Nov, 2015, ISBN 978-1-4673-6734-9.
- **Mr. Mainak Debnath,** "Mono-oxido vanadium(V) and di-oxido vanadium(V,V) compounds with  $N_2O_4$  donor phenol based ligand: synthesis, structure, catalytic and kinetic study." International Conference on Modern Trends in Inorganic Chemistry, organized by Department of Chemistry, Jadavpur University, 3-5 December 2015.
- **Dr. Soma Mukherjee** "Transport properties of rare earth manganite  $LaMnO_3$  doped 50 mol%  $V_2O_5$  - 50 mol%  $PbO$  nanocomposite", 103<sup>rd</sup> Indian Science Congress organized by Mysuru University, Mysuru, 3-7<sup>th</sup> Jan 2016

#### International Journal

- P.K. Chakraborty, **Soma Mukherjee** and B.K. Chaudhuri, "A note on the closed form solution and the series expansion for the Fermi-Integral  $F_{1/2}(E_F/k_B T)$  of the density-of-states function in Semiconductors" International Journal of Engineering Science and Innovative Technology

(IJESIT) Volume 4, Issue 4, July 2015, pp 90-94, ISSN: 2319-5967, ISO 9001:2008 Certified, Impact factor-1.913

- **Mr. Anup Kumar Thander & Dr. Sucharita Bhattacharyya** :”Optical Confinement Study of different semi conductor rib wave guides using Higher Order Compact Finite Difference Method”, Optik, an Elsevier Journal 127(2016)2116-2120, February 2016.
- **Mrs. Sucharita Chakrabarti** and Hiranmay Dasgupta, "On Generalized Structure: Soft Fuzzy m-Spaces", Bulletin of Calcutta Mathematical Society, 108(2), 135-152, May, 2016, ISSN: 0008-0659.

### **DEPARTMENT: EE**

#### **International Journal**

- **Dr. Prabal Deb** "A Simple Input Current wave-shaping Technique for 3-Phase Diode & SCR Converters" published in International Journal of Electronics (ijeditor), manuscript ID is TETN-2016-0440, 10 May, 2016.
- **Susovan Dutta**, "Movement of microfluidic droplet in electromagnetic field." Paper accepted in Elsevier, May, 2016
- **Dr. Prabal Deb** "Performance and Design of an Open-Delta Connected Grid Tied Bidirectional PWM Converter" International Journal of Electrical Power and Energy Systems (2016), 17-DEC-2015 **ELSEVIER** pp. 183-193 (Impact Factor 1.25)
- **Prabal Deb** "Open-Delta Converter Performance analysis" published in International Journal IEPEDS, JULY 2015 .
- **Sisir Mazumder, Susovan Dutta and Akash Samanta (ex-student, GNIT)**, "Design of Inverters with Harmonics Reduction Technique Using Artificial Neural Network", IJSET international journal in July, 2015, ISSN 2348-7968, impact factor 4.332
- **Sisir Mazumder**, "Quality of Work-life (QWL) among the Engineering personnel and concerns of Organizational Effectiveness (OE) in the state of West Bengal, India", in Global Journal of Engineering Science Research Management, March-2016, ISSN 2349-4506, impact Factor 2.545.
- **Sisir Mazumder**, Organizational Knowledge Management Environment (OKME)/ Learning Environment (LE) and concerns of Organizational Effectiveness (OE) in Global Journal of Engg Science Research Management, March-2016, ISSN 2349-4506, impact Factor 2.545
- **Sisir Mazumder** "Design of Inverters with Harmonics Reduction Technique Using Artificial Neural Network", IJSET international journal in, ISSN 2348-7968 July, 2015
- **Susovan Dutta** "Design of Inverters with Harmonics Reduction Technique Using Artificial Neural Network", IJSET international journal in, ISSN 2348-7968 July, 2015
- **Suman Ghosh** "Calculation Of Hot Spot Temperature And Aging Of A Transformer", International Journal of Technical Research and Applications (IJTRA), Volume 4, Issue 1 (January-February, 2016), PP. 140-143, Impact Factor: 4.39.



- **Suman Ghosh ,Rikta Majumder, Rituparna Mukherjee** “Transient Analysis of Single Phase Transformer Using State Model”, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) , (An ISO 3297: 2007 Certified Organization) Vol. 5, Issue 3, March 2016,Impact Factor: 5.44.
- **Rikta Majumder ,Suman Ghosh , Rituparna Mukherjee** “Transient Analysis of Single Phase Transformer Using State Model”, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) , (An ISO 3297: 2007 Certified Organization) Vol. 5, Issue 3, March 2016,Impact Factor: 5.44.

## **DEPARTMENT: AEIE**

### **International Seminar / Conference**

- **Dibyendu Sur,Sanjana Ghosh,Bansari Deb Majumder, Arijita Das, Susmita Das, Anilesh Dey,Sudip Kuila**,”Heart Disease Diagnosis By Using Artificial Neural Network”, 2<sup>nd</sup> International conference on Microelectronics,Circuits and Systems, Micro2015 on 11-12 July 2015
- **Adhish Kr. Chakraborty, Samar Bhattacharya** , “Lyapunov Based Two Stage Robust Model Reference Adaptive Controller for Linear Plants With Time Varying Bounded Uncertainties”,4<sup>TH</sup>International Conference on Advances in Control and Optimization of Dynamical Systems, ACOADS 2016 during Feb 1 - 5, 2016 in NIT,Tiruchirapalli
- **Paramita Banerjee,Samhita Dasgupta, Bhaswati Goswami, Ratna Ghosh**, "Electrical Impedance model of piezoelectric based sensor", IEEE First International Conference on Control, Measurement and Instrumentation ,presented during Jan 8-10,2016 and peoceedingd has been published in IEEE portal,2016.
- **Paramita Banerjee, Bhaswati Goswami,Ratna Ghosh**,"Electrical equivalent cascade model of piezoelectric based sensor",WIECON-ECE 2015,Dec 2015.

### **International Journal**

- **Bapita Roy, Prof.Dr.Rajib Chakraborty**, “Semi analytical approach to study the loss characteristics of a symmetrical multilayered plasmonic waveguide”, International Journal of Applied Optics,Vol. 55, No. 7 / March 1,2016 / Applied Optics 1765 ,Published on: 1st March 2016,Impact Factor: 1.784 Total Citations: 38,885(ranked 4th out of 86 journals),Eigen Factor Score: 0.04119 (ranked 5th out of 86 journals),\*According to Optics category rankings in the 2015 Journal Citation Reports, (Thomson Reuters, 2015)

**2014-15**

**DEPARTMENT: CSE**

**International Seminar / Conference**

- **Mrs. Srabani Kundu:**” Event Boundary Detection and Gathering in Wireless Sensor Networks” In Proceedings of the 2nd IEEE Conference on Applications and Innovations in Mobile Computing Feb,2015(AIMOC)

**International Journal**

- **Sourish Mitra,Moloy Dhar, Ankur Mondal,Rafiqul Islam,Nirupam Saha:**"DCT Based Steganographic Evaluation Parameter Analysis in Frequency domain by using modified JPEG luminance Quantization Table" published as an International Journal in IOSR-JCE (International Organization of Scientific Research-Journal of Computer Engineering) with impact factor:1.686, e-ISSN: 2278-0661,p-ISSN: 2278-8727, Volume 17, Issue 1, Ver. V (Jan – Feb. 2015), PP 68-74.
- **Sourish Mitra**"A Location Dependent Cryptographic Approach Based on Target Coordinate & Distance Tolerant Key transfer for GPS mobile Receiver"published as an International Journal in IOSR-JCE (International Organization of Scientific Research-Journal of Computer Engineering) with impact factor:1.686,e-ISSN: 2278-0661,p-ISSN: 2278-8727, Volume 17, Issue 1, Ver. VI (Jan – Feb. 2015), PP 56-63
- **Sourish Mitra,Debraj Roy,Bidyutmala Saha,Shirsankar Basu,Pallabi Das:**"An Open-SSL Based Algorithmic Approach for Secure Data Transfer in Virtual Private Network" published as an International Journal in IJETA (International Journal Of Engineering Trends and Application-ISO-3297:2007)with impact factor:1.76,ISSN:2393-9516,Volume-2,Issue-1,March-2015.
- **Bidyutmala Saha,Santanu Kumar Sen,Debraj Roy,Sandip Tigga,Sourish Mitra:**"A Proposed Algorithmic approach of Bot-Matrix Propagation in Botnet Detection"published as an International Journal in IJETA (International Journal Of Engineering Trends and Application-ISO-3297:2007)with impact factor:1.76,ISSN:2393-9516,Volume-2,Issue-2,March-2015.
- **Sayani Chandra, Ipsita Saha, Poojarini Mitra, Bidyutmala Saha,Sinthia Roy:**"A brief overview of clustering schemes applied on Mobile Ad-hoc Networks"published as an International Journal in International Journal of Advanced Research in Computer Science And Software Engineering (IJARCSSE).ISSN:2277-128X, Vol-5, Issue:-2, February,2015.,pp-667-675.
- **Poojarini Mitra, Sinthia Roy,Sayani Chandra, Ipsita Saha, Bidyutmala Saha:**”Energy Efficient Approach On Cut Detection In Wireless Sensor Network”published as an International Journal inInternational Journal of Computer Science and Information Technologies (IJCSIT), ISSN:0975-9646, VOL-6(2),2015,pp-1282-1286

- **Ipsita saha, Sayani Chandra:**”Incorporating different SMS transfer processes in Social Networking Site”published as an International Journal IJCOT (International Journal of Computer & Organization Trends) , ISSN- 2249-2593, Vol-17(1), Feb-2015.
- **Ipsita saha, Poojarini Mitra, Sayani Chandra:** ”Introducing Autonomous Car Methodology in WSN”published as an International Journal IJCOT (International Journal of Computer & Organization Trends) , ISSN- 2249-2593, Vol-17(1), Feb-2015.
- **Ipsita Saha, Poojarini Mitra, Bidyutmal Saha, Sinthia Roy:**”Spark Core Based Wireless Remote Door Lock and Multiple Access Synchronization”published as an International Journal in International Journal of Advanced Research in Computer Science And Software Engineering (IJARCSSE).ISSN:2277-128X, Vol-5, Issue:-4, February,2015,pp-542-546.
- **Poojarini Mitra, Sinthia Roy.**”A Reliable and Energy Efficient Enhancement of Data MULEs Protocol for Wireless Sensor Network”published as an International Journal in International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE).4<sup>th</sup> April 2015. Impact factor: 2.5 ,Science Central Evaluation Score: 6.39

### **DEPARTMENT: IT**

#### **International Seminar / Conference**

- **Baisakhi Das,**”A CA Based Scheme Of Cache Zone Prediction for Data Migration In CMPs.” ; The 11th IEEE India Conference, INDICON 2014, 11th – 13th Dec, 2014 , Yashada, Pune. ISBN: 978-1-4799 5362-2.

#### **International Journal**

- **Baisakhi Das,** Implementation of Digital Watermarking using Discrete wavelet Transform, International Journal of Innovative Research in Technology and Science (IJIRTS). ISSN: 2321-1156.March,2015
- **Baisakhi Das, Biplab K Sikdar,** Exploring the Impact of Fault on CMPs' Power for Diagnosis of Faulty Module ; Journal of Parallel and Distributed Computing, Elsevier.( Communicated)
- **Baisakhi Das, Biplab K Sikdar,** Design of CA based data Migration for Chip Multiprocessors; Journal of Microprocessors and Microsystems, Elsevier.( Communicated)

### **DEPARTMENT: AEIE**

#### **National Seminar / Conference**

- **Adhis Kr. Chakraborty,** “Robust Model Reference Adaptive Controller for Linear Multivariable Plants” -an Approach using Estimates of Uncertainties” organized by IIT Madras and IEEE Control System Society during 5th-7th January 2015

### International Seminar / Conference

- **Bapita Roy**, “Experimental verification of MMI by singlemode-multimode-singlemode and multimode-singlemode structures ” published in International Conference on Optics and Photonics 2015., Proc. of SPIE Vol. 9654, 96541Q · © 2015 SPIE CCC code: 0277-786X/15/\$18 · doi: 10.1117/12.2182359, Proc. of SPIE Vol. 9654 96541Q-1 , 22/06/15.
- **Paramita Banerjee**,”Electrical equivalent cascade model of piezoelectric based sensor “WIECON-ECE 2015
- **Paramita Banerjee**”Electrical impedance model of piezoelectric based sensor(accepted for the presentation)” 2016 IEEE First international conference on Control, Measurement and Instrumentation (CMI2016) Jan 08-10, 2015
- **Prof. Anil Kr. Ghoshal**:Int. Conf. On ElectronMicroscopy & XXXIV Annual Meeting of EMSI organized by SINP, Kolkata & EMSI during 3-5 July,2014
- **Suparna Maity,Santana Das,Sanghamitra Layek,Bapita Roy**,International Conference On Recent Trends In Engineering Science And Management (ICRTESM -2015) organized by Conference world A.R.Research Publication during 15 March, 2015.
- **Bapita Roy**,Photonics 2014: 12th International Conference on Fiber Optics and Photonics ISBN: 978-1-55752-882-7 organized by The Optical Society of America, Kharagpur IIT, India during December 13-16, 2014
- **Bapita Roy**,XXXIX Conference of the Optical Society of India, International Conference on Optics and Photonics ICOP 2015- SPIE organized by Optical Society of India, Department of Applied Optics and Photonics,University of Calcutta, INDIA during February 20-22, 2015
- **Sanghamitra Layek,Santana Das**,Programmableluggage security system International Conference on Recent Trends in Engineering Science And Management by ARreserch Publication **ISBN 978-81-931039-2-0,15<sup>th</sup> March-2015.**

### International Journal

- **Bapita Roy**, International Journal of Advanced Technology in Engineering and science, Title with Page No.- A smart method for automatic temperature controlPP:1257-1263, ISSN2348-7550, Impat Factor: 1.012, March 2015
- **Suparna maity** : “PC Based Automatic Irrigation System ” in International Journal of Advanced Research in Science & Engineering , ISBN-2319-8354, Impact Factor-1.142

### DEPARTMENT: FT

### National Seminar / Conference

- **Dr. Subhajit Ray**, Abstract published in the Seminar Proceedings on the topic “**Milks and Milk Products As Functional Foods- A Review**” in the 43<sup>rd</sup> Dairy Industry Conference organized by Indian Dairy Association (East Zone) at Science City, Kolkata, 19-21<sup>st</sup> February, 2015.

- **Dr.Subhajit Ray** “Potential role of Biotechnology for the development of Functional Food” National seminar on Recent Advances in Biotechnology, organized by Biotechnology Research Society of India, IICB-JU Kolkata Chapter 17th April,2015.
- **Dr.Subhajit Ray Dr.Kakali Bandyopadhyay, Dr.Sunita Adhikari, Dr.Chaitali Chakraborty, Dr. Anju Paul** “Studies on functional properties of pineapple juice fortified curd” National seminar on Recent Advances in Biotechnology, organized by Biotechnology Research Society of India, IICB-JU Kolkata Chapter 17th April,2015.
- **Dr. Subhajit Ray**, Abstract published in the Seminar Proceedings on the topic “Utilization of Citrus fruits waste for pectin extraction” in the All India Inter College Academic Meet-2015 & Science and Technology Exhibition for a Sustainable Society organized by FOSET on 26th April, 2015.
- **Dr. (Mrs.) Kakali Bandyopadhyay, Dr. Chaitali Chakraborty , Mr. Amit Kumar Barman, Dr. Sunita Adhikari**, Abstract published in the Seminar Proceedings on the topic “**Optimization of Process parameters for production of Soya Curd**” in the 43<sup>rd</sup> Dairy Industry Conference organized by Indian Dairy Association (East Zone) at Science City, Kolkata, 19-21<sup>st</sup> February, 2015.
- **Dr. (Mrs.) Kakali Bandyopadhyay, Dr. Chaitali Chakraborty , Mr. Amit Kumar Barman, Dr. Sunita Adhikari**, Abstract published in the Seminar Proceedings on the topic “**Studies on Utilization of Milk for extraction of Polyphenols from Raisins**” in the 43<sup>rd</sup> Dairy Industry Conference organized by Indian Dairy Association (East Zone) at Science City, Kolkata, 19-21<sup>st</sup> February, 2015.
- **Dr. (Mrs.) Kakali Bandyopadhyay, Dr. Chaitali Chakraborty , Mr. Amit Kumar Barman, Dr. Sunita Adhikari**, Abstract published in the Seminar Proceedings on the topic “**Formulation of Whey based Fruit Herbal Beverage**” in the 43<sup>rd</sup> Dairy Industry Conference organized by Indian Dairy Association (East Zone) at Science City, Kolkata, 19-21<sup>st</sup> February, 2015.
- **Dr.Kakali Bandyopadhyay**, “Effect of processing on the functional properties of pulse based tomato soup” National seminar on Recent Advances in Biotechnology, organized by Biotechnology Research Society of India, IICB-JU Kolkata Chapter 17th April,2015.
- **Dr. Kakali Bandyopadhyay**, Abstract published in the Seminar Proceedings on the topic “Trans-Fat in Junk Food: A recipe of Disaster” in the All India Inter College Academic Meet-2015 & Science and Technology Exhibition for a Sustainable Society organized by FOSET on 26th April, 2015.
- **Dr. Kakali Bandyopadhyay**, Abstract published in the Seminar Proceedings on the topic “Effect of Processing on the Functional Properties of Pulse Based Cabbage Soup” in the All India Inter College Academic Meet-2015 & Science and Technology Exhibition for a Sustainable Society organized by FOSET on 26th April, 2015.
- **Dr. Anju Paul**,”Effect of Processing on the antioxidant content of some common vegetables” National seminar on Recent Advances in Biotechnology, organized by Biotechnology Research Society of India, IICB-JU Kolkata Chapter, 17th April,2015.
- **Dr. Anju Paul**, Abstract published in the Seminar Proceedings on the topic “Microwave Heating and its effects on Food” in the All India Inter College Academic Meet-2015 & Science and Technology Exhibition for a Sustainable Society organized by FOSET on 26th April, 2015.
- **Dr. Chaitali Chakraborty, Dr. (Mrs.) Kakali Bandyopadhyay, Dr. Sunita Adhikari, Mr. Amit Kumar Barman** Abstract published in the Seminar Proceedings on the topic “**Herbal Whey Drink as Functional Dairy Product**” in the 43<sup>rd</sup> Dairy Industry Conference organized by Indian Dairy Association (East Zone) at Science City, Kolkata, 19-21<sup>st</sup> February, 2015.
- **Dr.Chaitali Chakraborty**,”Development and Characterization of Vegetable Pudding”, National seminar on Recent Advances in Biotechnology, organized by Biotechnology Research Society of India, IICB-JU Kolkata Chapter 17th April,2015.
- **Dr. Chaitali Chakraborty**, Abstract published in the Seminar Proceedings on the topic “Microbial Competence to higher organisms as a protein source-SCP (Production, Application, and statistics of protein enriched cells)” in the All India Inter College Academic Meet-2015 & Science and Technology Exhibition for a Sustainable Society organized by FOSET on 26th April, 2015.

- **Dr.Sunita Adhikari**, “Studies on the Characteristics of beet color” National seminar on Recent Advances in Biotechnology, organized by Biotechnology Research Society of India, IICB-JU Kolkata Chapter 17th April,2015.
- **Dr. Sunita Adhikari**, Abstract published in the Seminar Proceedings on the topic “Food Waste Management & Recycle” in the All India Inter College Academic Meet-2015 & Science and Technology Exhibition for a Sustainable Society organized by FOSET on 26th April, 2015.
- **Mr.Amit Kumar Barman**, “Development of a fermented food by soy-pea nut milk and cow milk ” National seminar on Recent Advances in Biotechnology, organized by Biotechnology Research Society of India, IICB-JU Kolkata Chapter 17th April,2015.
- **Mr.Amit Kumar Barman**, Abstract published in the Seminar Proceedings on the topic “Development and Storage Studies of Whey based Pineapple Herbal (Mentha Arvensis)Beverage” in the All India Inter College Academic Meet-2015 & Science and Technology Exhibition for a Sustainable Society organized by FOSET on 26th April, 2015.

### National Journal

- **Dr. Subhajit Ray** ,Research Paper Published on “**Fermentative Production of Wine from Different Fruit Juices: An Overview**” in Beverage and Food World Journal,vol.42,No.1,January 2015
- **Dr. Subhajit Ray**, Research Paper Published on “**Impact of Natural Antioxidant on Food Stability: Review**” in Beverage and Food World Journal, vol.42, No.1, February 2015
- **Dr. (Mrs.) Kakali Bandyopadhyay, Dr. Chaitali Chakraborty**,Research Paper published in *Beverage & Food World Journal* entitled “Development of Healthy Appetizer Using Sweet Potato Powder as Functional Ingredient”, 41(4): 48-49. (July, 2014)
- **Dr. (Mrs.) Kakali Bandyopadhyay, Dr. Sunita Adhikari, Dr. Anju Paul**, Research Paper published in *Beverage & Food World Journal* entitled “Characterization of Pumpkin Seed & Pumpkin Seed Oil”, 41(12), 39-41, (2014).
- **Dr. (Mrs.) Kakali Bandyopadhyay**, Research Paper published in *J. Interacademia* Journal entitled “Studies on the Extraction of Polyphenols from Raisins”, 18(3), 386-389, (2014).
- **Dr. Chaitali Chakraborty**, Review Paper published in *Indian Dairyman* entitled “**Herbs and Spices as Natural Food Additives**”, 66(8):page no 76-81. ISSN 0019-4603. (August, 2014)

### International Seminar / Conference

- **Dr. Subhajit Ray**, Abstract published in the Seminar Proceedings on the topic “**Potentiality of Formulated Carrot Powder Fortified Value Added Biscuit As Functional Food**” in the International Conference on 3S: Safety, Security and Sustainability, Organized by Dept. of FTBE, JU,Kolkata, 27<sup>th</sup> February-1<sup>st</sup> March, 2015.
- **Dr. Subhajit Ray**,Abstract published in the Seminar Proceedings on the topic “**Development and Evaluation of Quality Carrot Fortified Chips**” in the International Conference on 3S: Safety, Security and Sustainability, Organized by Dept. of FTBE, JU,Kolkata, 27<sup>th</sup> February-1<sup>st</sup> March, 2015.
- **Dr. Subhajit Ray ,Dr. (Mrs.) Kakali Bandyopadhyay, Dr. Anju Paul,Dr. Chaitali Chakraborty , Dr. Sunita Adhikari** Abstract published in the Seminar Proceedings on the topic “Development of Curd fortified by Pineapple juice” in International Conference on 3S: Safety, Security and Sustainability, Organized by Dept. of FTBE, JU, and 27th February -1st March, 2015.

- **Dr. (Mrs.) Kakali Bandyopadhyay**, Abstract published in the Seminar Proceedings on the topic “Effect of Processing on the Functional Properties of Cabbage”, in International Conference on 3S- Safety, Security and Sustainability: Innovations in Food and Bioprocess Industries, Organized by Dept. of FTBE, JU, and 27th February -1st March, 2015.
- **Dr. Anju Paul**, Abstract published in the Seminar Proceedings on the topic “**Study of Antimicrobial and Antioxidant Properties and medical values of *Adhatoda vasica*, *Centella asiatica*, *Paederia foetida*, *Ocimum tenuiflorum***” in International Conference on 3S: Safety, Security and Sustainability, Organized by Dept. of FTBE, JU, and 27th February -1st March, 2015.
- **Dr. Chaitali Chakraborty** ,Abstract published in the Seminar Proceedings on the topic “**Survey on milk adulteration in Kolkata and its suburbs**” in International Conference on 3S: Safety, Security and Sustainability, Organized by Dept. of FTBE, JU, and 27th February -1st March, 2015.
- **Dr.Chaitali Chakraborty, Mr.Amit Kumar Barman**”Development of Curd by Fortification of Soymilk and peanut milk ” 'International Conference on Sustainable Innovations in Dairying' held in International Convention Centre, Rajgir, Nalanda, Bihar ,25<sup>th</sup> april,2015.
- **Dr. Sunita Adhikari** , Abstract published in the Seminar Proceedings on the topic “**Optimization of Alcohol Production by *Saccharomyces cerevisiae* MTCC 178: Response Surface Methodology**” in International Conference on 3S: Safety, Security and Sustainability, Organized by Dept. of FTBE, JU, and 27th February -1st March, 2015.
- **Mr. Amit Kumar Barman, Dr. Chaitali Chakraborty** ,Abstract published in the Seminar Proceedings on the topic “**Development of a Fermented Food By the Combination of Soymilk & Peanut milk**” in International Conference on 3S: Safety, Security and Sustainability, Organized by Dept. of FTBE, JU, and 27th February -1st March, 2015.

### International Journal

- **Prof. Parimal Chattopadhyay**, Research Paper Published on “**Production and Characterization of crude thermostable invertase from *Cryptococcus laurentii* S23**” in Indian Chemical Engineer Journal, Feb 2015, pp.1-18.

## DEPARTMENT: EE

### National Seminar / Conference

- **Mrs. Rikta Majumder**, Voltage sag Mitigation by Dynamic Voltage Restorer IEEE CALCON 2014

### International Seminar / Conference

- **Reshmi Banerjee** ,Simulation and Modeling for Transition to an Energy Efficient Economy International Conference on Renewable Energy

### International Journal

- **Mr. Shyamal Kumar Roy**, “A survey mems micromotor assemblies and applications”, published in IJERGS ISBN 2091-2730, may,2015, Impact factor-3.843
- **Mr. Shyamal Kumar Roy**, “VLSI Modelings of Neural Pulse-Based Computations” published in IJERGS ISBN 2091-2730, may,2015, Impact factor-3.843

- **Reshmi Banerjee**, "Importance of Recycling" published in IJIREEICE June, 2015, Impact factor-3.885
- **Reshmi Banerjee**, "Importance of Energy Conservation " published in IJIRAE , April, 2015, Impact factor-1.893
- **Reshmi Banerjee** ,Development of PC Based Transient Current Analysis System Using Microcontroller and Hall Effect Sensor,International Journal of Engineering Research and General Sciences
- **Reshmi Banerjee** , Closed Loop Traffic Signal Controller International Journal of Scientific Research and Publication
- **Reshmi Banerjee** , Literature Survey of Water Control System by PLC Control and Its Cost AnalysisInternational Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering
- **Reshmi Banerjee** ,Optimization of The Building Energy Performance Through Dynamic Modeling, Systems Simulation, Field Monitoring and Evaluation of Renewable Energy Applications,International Journal of Engineering Research and Applications
- **Reshmi Banerjee** Water Level Controller by Fuzzy Logic International Journal of Innovative Research in Advanced Engineering.
- **Reshmi Banerjee** , Solar Tracking System International Journal of Scientific Research and Publications
- **Mr.Susovan Dutta , Mr.Sisir Mazumder** ,Analytical study and Designing of a I-PD controller (a practical Modified PID controller)for a third order system using MATLAB simulation International Journal of Engineering Research and General Sciences,ISSN 2091-2730 ,2015
- **Dr. Prabal Deb**, "Performance study of a Grid Tied Bidirectional Converter",published in *Elsevier*,2015

## **DEPARTMENT: ECE**

### **National Seminar / Conference**

- **Dr. Sunipa Roy** ,"Development of Microcontroller based integrated gas sensor system for detecting combustible gases"proceedings on national conference on FOSET Academic meet, MCKV Institute of technology, Liluah, Howrah. 26<sup>th</sup>April, 2015.

### **International Seminar / Conference**

- **Mr. SurajitBasak**, On Lifetime Centric Routing and Power Allocation in BER Constrained Cognitive Radio Ad Hoc Networks Paper Id. No. 1570006973 Eighth IEEE International Conference on Advanced Networks and Telecommunication Systems (ANTS) Sponsored by IEEE Communications Society Dec. 14-17, 2014, C-DOT campus, Mehrauli, New Delhi, INDIA.
- **Koushik Pal**, GUI based Smart Breast Cancer Identification System Using 2nd Level Secured Combined Crypto-Watermarking.( paper ID: B480) IEEE sponsored International Conference on Bioinformatics and Biomedicine (BIBM 2014),**Belfast, United Kingdom.**



- **Dr. Sunipa Roy**, Effect of Relative Humidity on Pd Modified ZnO Nanorod based Methanol Sensor Proc. of International conference (ICAMET) 2014, IEST Shibpur December 17-19, 2014 sponsored by Southern University Baton Rouge (SUBR), Louisiana, USA.
- **Dr. Sunipa Roy**, Anchoring of Pd Nanoparticle on ZnO ThinFilm with Optical and Structural Characteristic study Proc. of International conference (ICAMET) 2014, IEST Shibpur December 17-19, 2014 sponsored by Southern University Baton Rouge (SUBR), Louisiana, USA.
- **Dr. Sunipa Roy**, Development of MEMS based Microheater Array for Multi-Gas Sensor Proc. of International conference (ICAMET) 2014, IEST Shibpur December 17-19, 2014 sponsored by Southern University Baton Rouge (SUBR), Louisiana, USA.
- **Suparna Biswas**, Facial Expression Recognition using Modified Local Binary Pattern International Conference on Computational Intelligence in Data Mining.(ICCIDM'2014 Conference.
- **Suparna Biswas**, An Efficient Expression Recognition Method using Contourlet Transform 2nd International Conference on Perception and Machine Intelligence, PERMIN 15.
- **Swagata Bhattacharya**, A New Walsh Hadamard Transform Architecture Using Current Mode Circuit IEEE Computer Society Symposium on VLSI 2014, Tampa ,Florida,USA.
- **Surajit Basak**, "Heart Disease Diagnosis By Using Artificial Neural Network" 2<sup>nd</sup> International conference on microelectronics, Circuits and Systems, Micro2015, Conference 2015

### International Journal

- **Dr. Arun Mondal**, Implementation of minimal loss algorithm in mimo based mobile ad hoc network to find loss less route EURASIP Journal on Wireless Communications and Networking MS ID : 1827852227161011
- **Mrs. Palasri Dhar**, Two dimensional mobility in Gallium Nitrate (GaN) quantum well and Gallium Arsenide (GaAs) single quantum well and :A comparative study. Journal of Electron Devices.
- **Mrs. Antara Ghosal, Mrs. Anurima Majumdar**, Wideband and Multifrequency Square Spiral Microstrip Patch Antenna International Journal of Innovative Research in Computer and Communication Engineering.
- **Avali Ghosh, Aditi Mandal, Annapurna Das, Sisir Kumar Das**, Analysis and Measurements of Crosstalk in High Speed and High Frequency Printed Circuit Boards SEMCE(I) Journal on Electromagnetic Compatibility.
- **Dipasri Saha**, "An Improved MPPT of SPV System using PSO" International Journal of Innovative Research in Science, Engineering and Technology.
- **Koushik Pal**, "Extraction and Authentication of Hidden Patient's Information from Biomedical Image through Crypto-Watermarking Technique" published in IEM International Journal of Management and Technology (IJMT), March, 2015
- **Koushik Pal, Surajit Basak**, "Joint Power Allocation and Routing in Outage Constrained Cognitive Radio Ad Hoc Networks" published in Springer journal of Mobile Application and Networks (MANET) Special Issue on Green Communications and Networking, vol 20 no. 3, May, 2015, impact factor-1.496

**DEPARTMENT: ASH****National Journal**

- **Mr. Chinmoy Ghosh**, “(p,q)th Order Based Growth Analysis of Composite Entire Functions “published in Journal of Advanced Research in Pure Mathematics, Accepted in April 2015.
- **Mr. Goutam Mandal**, “Determination of robust optimum plot size and shape - a model based approach.”published in Biometrical Letters with Index Copernicus Punkty MNISW -9, June, 2015
- **Dr. Indrajit Bose**,” Behind the Pointed Arches: An Exegesis of Gothic Architecture in Poe, Hawthorne and James.”JUSAS Online, Vol 3 (February 2015), national Journal (online) of the Jadavpur University Society of American Studies.

**International Seminar / Conference**

- **Dr. Soma Mukherjee**, Md. Golam Masud, Dilip K. Modak and B. K. Chaudhuri, “Polaronic hopping conduction in ionic  $x\text{Li}_2\text{SO}_4^{2-}(1-x)[\text{RLi}_2\text{O}.\text{B}_2\text{O}_3]$  glasses”, Published in the Conference Proceedings of 102<sup>nd</sup> Indian Science Congress (Materials Science Section) P-67, 2015 International Conference Proceedings , Conference held during Jan. 3 to 7, 2015 at University of Mumbai.
- **Dr. Sucharita Bhattacharya, Anup Kumar Thander** “HOC analysis for single mode optical propagation in Semiconductor Rib Wave Guide”, published in Elsevier Proceedings p (684-687 ) during (17-19)th July, 2014 in an International Conference on Mathematical Sciences (ICMS-2014) at Sathyabama University, Chennai in association with University of Central Florida, USA and The Institute of Mathematical Sciences (IMSC), Chennai International Conference Proceedings ISBN 978-93-5107-261-4

**International Journal**

- **Dr. Soma Mukherjee, B. K. Chaudhuri and S. C. Sarkar** “Anomalous transport and dielectric behavior of the  $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$  (CCTO) type high dielectric constant materials”, International Journal of Engineering Science and Innovative Technology (IJESIT) ISSN: 2319-5967, ISO 9001:2008 Certified, Volume 4, Issue 1, January 2015, Impact factor-1.913
- **Dr. Sucharita Bhattacharya & Anup Kumar Thander**,”Study of Optical WaveGuide using HOC scheme“published in Applied Mathematical Sciences Vol. 8. No. 79 P (3931-3938) 2014 International Journal *ISSN : 1312885X* SCI Thomson Reuter Impact factor 0.781 , has SCOPUS citation.
- **Dr. Sucharita Bhattacharyya & Mr. Anup Kumar Thander** ,”Higher Order Compact (HOC) Finite Difference Method (FDM) to study Optical Confinement through semiconductor rib wave guides” published in Advanced Studies in Theoretical physics, Vol. 9, 2015, no. 8, 369 - 378 ISSN 1313-1311 Thomson Reuter Impact factor 0.95 , has SCOPUS citation.
- **Anup Kumar Thander, Sayan Dasgupta, Utsav Dawn** ,”A New Fourth Order Newton Like Iterative Method for Nonlinear Equations”Published in Applied Mathematical Sciences Vol. 8. No. 82 P (4079-4085) 2014, International Journal *ISSN : 1312885X* SCI Thomson Reuter Impact factor 0.81 , has SCOPUS citation

- **Sucharita Chakrabarti**, "Touching Sets and its Applications" International Journal of Mathematical Analysis Vol. 8, no. 52, 2577 – 2589 International Journal ISSN: 1312-8876 (Print) ISSN: 1314-7579 (Online)
- **Sucharita Chakrabarti**, "A Fixed Point Theorem of Caccioppoli - Kannan Type on a Class of Generalized Metric Spaces" International Mathematical Forum, Vol. 9, no. 28, 1357 – 1361 International Journal ISSN: 1312-7594 (Print) ISSN: 1314-7536 (Online).
- **Chinmay Ghosh**, "Some Growth Properties of Iterated Entire Functions on the Basis of Slowly Changing Functions", International Journal of Open Problems in Complex Analysis, Vol 6, No 3 International Journal 2074-2827
- **Mainak Debnath**, "Water-Stable Manganese(IV) Complex of a N<sub>2</sub>O<sub>4</sub>-Donor Non-Schiff- Base Ligand": Synthesis, Structure, and Multifrequency High-Field Electron Paramagnetic Resonance Studies, *Inorg. Chem.* 2014, 53, 5423–5428, International Journal 1520-510X.
- **Mainak Debnath**, Copper(II) induced oxidative modification and complexation of a schiff base ligand: synthesis, crystal structure, catalytic oxidation of aromatic hydrocarbons and DFT calculation, *RSC Adv.*, 2014, 4, 34248–34256 International Journal 2046-2069
- **Anup Kumar Thander & Sucharita Bhattacharya**, "Development and Application of Higher Order Compact (HOC) Finite Difference Method (FDM) to study the Single-Mode Optical Propagation through Semi-Conductor Rib Wave Guides" Accepted in Asian Journal of Physics ISSN No. 0971- 3093, 2015
- **P.K. Chakraborty, Soma Mukherjee and B.K. Chaudhuri**, "A note on the closed form solution and the series expansion for the Fermi-Integral  $F_{1/2}(E_F/k_B T)$  of the density-of-states function in Semiconductors" published in International Journal of Engineering Science and Innovative Technology (IJESIT) ISSN: 2319-5967, ISO 9001:2008 Certified, Volume 4, Issue 4, July 2015, Impact factor-1.913

## DEPARTMENT: CA

### International Seminar / Conference

- **Dipankar Chatterjee, Somnath Sarkar**, "Comparison of Different Intrusion Detection Techniques and a Proposed Technique for Detecting and Eliminating Intruders in MANET", International Conference on Computing, Communication and Manufacturing (ICCCM-2014) , MCKVIE, Liluah, Howrah, 22-23 December 2014.

### International Journals

- **PrajnaParamita Ray, Dola Saha**, "Architectural Classification of Inter Cloud & Approaches" in International Journal Advanced Research in Computer Science and Software Engineering (IJARCSSE, ISSN: 2277-128X), Volume- 5, No-5, pp-801-807, May 2015
- **PrajnaParamita Ray**, "A New Access Control Model in Cloud Computing" in International Journal Advanced Research in Computer Science and Software Engineering (IJARCSSE, ISSN: 2277-128X), Manuscript accepted.
- **Dipankar Chatterjee**, "Biometric Ticketing System for Railway" in International Journal of Latest Trends in Engineering and Technology (IJLTET, ISSN: 2278-621X), Vol-4, No-3, pp- 90-93, September 2014.

- **Dipankar Chatterjee**, “Face Recognition Ticketing System Using Combination of PCA,PIFS, DCT and Template Matching Correlation” in International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE, ISSN: 2277-128X), Vol-4,No-10, pp- 233-236, October 2014
- **Dipankar Chatterjee** “ Comparison Between Different Combination Techniques for Face Recognition and A Proposed Ticketing System using Face Recognition” in International Journal of Advancements in Research &Technology(IJoART, ISSN:2278-7763), Vol-3 No-10 . October 2014
- **Chiranjib Dutta, Swati Sarkar**, “An Efficient Implementation of Digital Signature” in International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE, ISSN: 2277-128X), Vol-5,No-2, pp- 452-457, February 2015
- **Somalina Chowdhury, Sisir Kumar Das, Annapurna Das**, “Application of genetic algorithm in computer network security ”, International Journal of Innovative Research in Computer and Communication Engineering(IJRCCE, ISSN(ONLINE) 2320-9801, ISSN(PRINT) 2320-9798), Vol-3, No-1, pp- 274-280,January 2015.
- **Somalina Chowdhury**, “Cryptographic technique through hexagonal path using genetic algorithm” ,International Journal of Innovative Research in Computer and Communication Engineering(IJRCCE, ISSN(ONLINE) 2320-9801,ISSN(PRINT) 2320-9798), Vol-3, No-3, pp-2332-2338, March 2015
- **Sharmistha Dey**, “Survey on Importance of Context aware Security in Distributed Computing Environment Like Cloud”, International Journal of Advanced Research in Computer Science and Software Engineering[ISSN: 2277 128X],Vol 5,Issue 4,pp-1077-1084, April 2015
- **Santanu Kr Sen, Sharmistha Dey**, “SVT Matrix – An innovative approach towards cloud security”(Manuscript accepted for publication) for May 2015 Issue in International Journal of Computer Science Issues(IJCSI)
- **Dola Saha, PrajnaParamita Ray**, “Sentiment Analysis on Tweet Data Sets using Data Mining Techniques” in International Journal Advanced Research in Computer Science and Software Engineering (IJARCSSE, ISSN: 2277-128X), Volume- 5,No-8,pp-932-937, (accepted) 2015

**2013-14**

**DEPARTMENT: CSE**

**International Seminar / Conference**

- **Dr. Santanu Kumar Sen** : “A DVR- based Routing Protocol with Special Neighbours for Mobile Ad-Hoc Networks” IEEE International Symposium on Computational and Business Intelligence (ISCBI 2013) New Delhi
- **Dr. Santanu Kumar Sen** : “Enhancing the Performance of AODV using Node Remaining Energy and Aggregate Interface Queue Length” IEEE International Symposium on Computational and Business Intelligence (ISCBI 2013)
- **Dr. Santanu Kumar Sen** : “Comparison of Performance Metrics of DVR protocol using Networks Node Remaining Energy and Aggregate Interface Queue Length” Elsevier Seventh International Conference on Communication Network (ICCN 2013)
- **Moloy Dhar**: “Identification of Human Using Image Parsing Technique” CIMTA-201327-28 September, 2013.

- **Mrs. Srabani Kundu:**SMAC: Simulation for Analysis of Vehicles Collision in WSN, 2nd International conference of Computing Communication and Sensor Network, CCSN 2013.
- **Ankur Mondal:** “A Multi-Method Search with Migrating Population for Real Parameter Optimization Computational Intelligence: Modeling, Techniques and Applications” (CIMTA 2013)978-93-5126-672-32 , 27-28 Sept,2013

### International Journal

- **Sourish Mitra, Sayani Chandra Bidyutmala Saha, Rafiqul Islam, Nirupam Saha :** “Continuous And Random Dropping Based Distributed Reflection Denial Of Service Attack (CARD-DRDOS) Detection, Control And Prevention Technique In Manet International Journal of Computer Networking, Wireless and Mobil Communications (IJCNWMC) ;ISSN (Print):2250-1568;E-ISSN:2278-9448;Impact,Factor(JCC):5.2749[statusZ:- International Journal]September,2013.
- **Sourish Mitra, Rafiqul Islam:** “A Modified Algorithmic Approach of DSDV Routing Protocol for Wireless Ad Hoc Network”IOSR Journal of Computer Engineering (IOSR-JCE)e-ISSN: 2278-0661, p-ISSN: 2278-8727,Volume 14,Issue 4 (Sep.Oct. 2013), PP 49-54. .impact factor:1.686
- **Moloy Dhar, Sayani Chandra, Sourish Mitra, Sandip Tigga:** “Selection of Master Station and Synchronization of Transmission in Quantum Cryptography: A Novel Approach” (IJCEITR) International Journal of Computer Science Engineering and Information Technology Research; [status:- International Journal] ISSN (Print): 2249-6831; E-ISSN:2249-7943(Sep.Oct. 2013). .impact factor:6.8785
- **Moloy Dhar :** “Identification of Human and Non-Human objects using Image Annotation Techniques” International Journal ,Volume 3, Issue 9, September 2013. .impact factor:1.3
- **Dr. Santanu Kr. Sen, Poojarini Mitra , Debraj Roy,Shirsankar Basu** “Loop Free Distance Vector Routing to Avoid Count-To-Infinity”, International Journal of Advanced Computer Technology (IJACT), ISSN: 2319-7900, Vol.3, No.2, Page: 35–40, May, 2014,impact factor: 1.5.
- **Sourish Mitra :**”Route maintenance and Scalability improvement of DSR, based on Relay node identification after locating Link-failure over MANET” International Organization Of Scientific Research Journal of Computer Engineering (IOSRJCE) e-ISSN: 2278-0661, p- ISSN: 2278-8727.Volume 16, Issue 3, Ver. III,PP 21-27, May-June, 2014,impact factor: 1.686.
- **Dr. Santanu Kr. Sen,Poojarini Mitra, Debraj Roy, Sinthia Roy, Shirsankar Basu:** Design and Development of an Enhanced Address Resolution Protocol to Overcome Security Threats, International Journal of Advanced Research in Computer Science and Software Engineering(IJARCSSE) ISSN:2277128X ,Vol.4, Issue 4, Page: 441 – 446, May, 2014,impact factor: 2.08.
- **Dr. Santanu Kr. Sen,Debraj Roy,** Design of Quantifiable Real-Life Security Matrix For Cloud ComputingInternational Journal of Engineering Sciences & Research Technology (IJESRT), ISSN: 2277-9655, May, 2014,impact factor:1.5.
- **Dr. Santanu Kr. Sen , Ipsita Saha:**An Innovative Approach to Devise Security Matrix to Measure Impact of Attack Vectors in Cloud Networks International Journal (IJARCSMS) 12 pages (42-53) Volume 2, Issue 4,May,2014,impact factor:3.5

### DEPARTMENT: IT

### International Seminar / Conference

- **Baisakhi Das, Nirmalya Sundar Maiti, Sukanta Das Mousimi Saha and Biplab K Sikdar** ; Design of an Efficient Scheme for Data Migration in Chip Multiprocessors, 4th International Symposium on Electronic System Design, Dec 12 – Dec 13, 2013; Singapore. Pp 167-171
- **Baisakhi Das, Nirmalya Sundar Maiti, Sukanta Das and Biplab K Sikdar**; An Efficient Scheme For Data Block Migration In Tiled CMPs Cache System; IEEE Indicon Dec 13 – Dec 15, 2013 , IIT Bombay.Pp 1-6
- **Sudeep Ghosh, Hafizur Rahaman**”Analysis of 2-Dimension Mesh Topology Of Network-On-Chips Architecture Using Odd-Even Routing Algorithm & Buffer Depth”International Conference On advances in Computing and Information Technology- ACIT 2014, 4th to 5th January 2014 Bangkok, Thailand.

### International Journal

- **Sudeep Ghosh, Mandira Banik**, “A Deadlock free Algorithm for NoC based System Using Distance Class Approach”, Journal of Computer Science Engineering & Technology, ISSN: 2231-0771. Vol 3, Issue 6 pp-215-219, 2013. IMPACT FACTOR: 1.35
- **Mandira Banik, Sudeep Ghosh**, “Railway Network Modelling Using Petri Nets” Journal of Computer Science Engineering & Technology, ISSN: 2231-0771. Vol 3, Issue 7 pp-249-255. IMPACT FACTOR: 1.35
- **Sulata Mitra, Trishita Ghosh**,”Congestion Control and Revocation of Misbehaving Vehicles in VANET Journal of Network and Innovative Computing(JNIC )ISSN2160-2174,vol1 (2013) pp 43-54

### DEPARTMENT: AEIE

### National Seminar / Conference

- **Dibyendu Sur, Ashik Paul**, “Development and Validation of Neural Network Based TEC Models across Diverse Longitudes in the Low Latitude”, 18<sup>th</sup> National Space Science Symposium, Dibrugarh, January 29- February 1, 2014
- “Development of a Remote Controlled Power Saver using Mobile Phone” by **Dibyendu Sur, Suman Roy, Sanhati Choudhury, Sourav Sen, Nikita Ganguly**, National Conference on Emerging Technology and Applied Sciences (ncetas 2014) modern institute of engineering & technology Bandel, Hooghly-712123, West Bengal, India February 15 – 16, 2014
- **Dibyendu Sur, Soumika Ghosh, Sarmistha Ray, Sayani Sengupta, Sucheta Routh, Saborni Das, Shilpi Banerjee** “Digital password door lock security system” National seminar on Advances of Security Issues in Modern Communicating Network, July 19, 2013

### International Seminar / Conference

- **Dibyendu Sur, Ashik Paul**, “Performance Analysis of Neural Network based TEC Models across Diverse Longitudes” Regional Conference on Radio Science, Pune, January 2-5, 2014.

### International Journal

- **Dibyendu Sur, Ashik Paul**, “Comparison of Standard TEC models with a Neural Network based TEC model using Multistation GPS TEC around the Northern Crest of Equatorial Ionization Anomaly in the Indian Longitude Sector during the Low and Moderate Solar Activity Levels of the 24th Solar Cycle”, *Advances in Space Research* (2013), volume 52, Issue 5, page 810-820, published on 1<sup>st</sup> September 2013 (IF 1.183)
- “Development of a Remote Controlled Power Saver using Mobile Phone” by Dibyendu Sur, Suman Roy, Sanhati Choudhury, Sourav Sen, Nikita Ganguly, special issue, *International Journal of Innovative Research in Science Engineering & Technology (IJIRSET)* (IF: 1.672)

## **DEPARTMENT: FT**

### **National Seminar / Conference**

- **Dr.Subhajit Ray** : Microencapsulation-A Novel Tool for Enhancement of viability and Applicability of Probiotics, National Seminar on Innovations in Dairy Processing in India-Post Operation Flood Scenario, Faculty of Dairy Technology, West Bengal University of Animal and Fishery Sciences, Mohanpur Campus, Nadia, West Bengal-741252, India 14 & 15<sup>th</sup> March 2014.
- **Dr.Anju Paul**, Abstract published on “Herbal Yoghurt- A Value Added Food” at National Seminar on Innovations in Dairy Processing in India- Post Operation Flood Scenario, organized by Faculty of Dairy Technology, W.B.U.A.F.S., Mohanpur, Nadia, held during 14-15<sup>th</sup> March, 2014.
- **Dr.Chaitali Chakraborty** :Rheological Characterization of Potato Powder based Rasogolla, National Seminar on Innovations in Dairy Processing in India- Post Operation Flood Scenario, organized by Faculty of Dairy Technology, W.B.U.A.F.S., Mohanpur, Nadia, held during 14-15<sup>th</sup> March, 2014.
- **Dr.Sunita Adhikari** :Poster presentation on “Production of Soy based Probiotic Ice cream” on March-14-15, 2014. National Seminar on “Innovations in Dairy Processing in India-Post operation flood scenario”.
- **Amit Kumar Barman** :Poster presentation on “Whey Based Herbal Beverage:A Therapeutic Drink” on March-14-15, 2014. National Seminar on “ Innovations in Dairy Processing in India-Post operation flood scenario”.
- **Amit Kr.Barman, Dr.Chaitali Chakraborty, Dr.Sunita Adhikari, Dr.Kakali Bandyopadhyay**. Abstract published in the Seminar Proceedings on the topic “**Shelf-life analysis of Whey Based Banana Herbal (Mentha arvensis) Beverage**”, In the Intellectual Property Right Congress,15<sup>th</sup> Year Celebration of Patent Information Centre, Organized jointly by Patent Information Centre (PIC) , West Bengal State Council of Science & Technology (WBSCST) ,DST-Govt.of West Bengal & Patent Facilitating Centre (PFC),Technology Information Forecasting & Assessment Council (TIFAC),DST-Govt.of India,held during 24<sup>th</sup> -25<sup>th</sup> September, 2013.
- **Dr.Chaitali Chakraborty, Diptanjan Banerjee, Dr.Sunita Adhikari, Amit Kr.Barman, Dr.Kakali Bandyopadhyay** : Paper presented and Abstract published in the Seminar Proceedings on the topic “**Tulsi –An Alternative Medicine**”. In the Intellectual Property Right Congress,15<sup>th</sup> Year Celebration of Patent Information Centre, Organized jointly by Patent Information Centre (PIC) , West Bengal State Council of Science & Technology (WBSCST) ,DST-Govt.of West Bengal & Patent Facilitating Centre (PFC),Technology Information Forecasting & Assessment Council (TIFAC),DST-Govt.of India,held during 24<sup>th</sup> -25<sup>th</sup> September, 2013.
- **Diptanjan Banerjee, Sayak Saha, Dr.Chaitali Chakraborty , Amit Kr.Barman** . : Paper presented and Abstract published in the Seminar Proceedings on the topic “**Ginger: A Key to Good Health**”. In the Intellectual Property Right Congress,15<sup>th</sup> Year Celebration of Patent Information Centre, Organized jointly by Patent Information Centre (PIC) , West Bengal State Council of Science & Technology (WBSCST) ,DST-Govt.of West Bengal & Patent Facilitating Centre (PFC),Technology Information Forecasting & Assessment Council (TIFAC),DST-Govt.of India,held during 24<sup>th</sup> -25<sup>th</sup> September, 2013.
- **Kiran Moni Deb Nath, Amit Kr.Barman, Dr.Sunita Adhikari, Dr.Chaitali Chakraborty, Dr.Kakali Bandyopadhyay** : Abstract published in the Seminar Proceedings on the topic “**Studies on Utilization of Jack Fruit Seed Flower for Cookies Formulation**” In the Intellectual Property Right Congress,15<sup>th</sup> Year Celebration of Patent Information Centre, Organized jointly by Patent Information Centre (PIC) , West Bengal State Council of Science & Technology (WBSCST) ,DST-Govt.of West Bengal & Patent Facilitating Centre (PFC),Technology

Information Forecasting & Assessment Council (TIFAC),DST-Govt.of India,held during 24<sup>th</sup> -25<sup>th</sup> September, 2013.

- **Amit Kr.Barman, Dr.Chaitali Chakraborty, Dr.Kakali Bandyopadhyay , Dr.Sunita Adhikari** : Paper presented and Abstract published in the Seminar Proceedings on the topic “**Studies on the production of Soycurd and Soy Probiotic Icecream**” In the Intellectual Property Right Congress,15<sup>th</sup> Year Celebration of Patent Information Centre, Organized jointly by Patent Information Centre (PIC) , West Bengal State Council of Science & Technology (WBSCST) ,DST-Govt.of West Bengal & Patent Facilitating Centre (PFC),Technology Information Forecasting & Assessment Council (TIFAC),DST-Govt .of India ,held during 24<sup>th</sup> -25<sup>th</sup> September, 2013.
- **Debasree Ghosh, Prof. Parimal Chattopadhyay**: Abstract published in the Seminar Proceedings on the topic “**Fortification of Cow Milk with  $\beta$ -Carotene Producing Sweet Potato**”. In the Intellectual Property Right Congress,15<sup>th</sup> Year Celebration of Patent Information Centre, Organized jointly by Patent Information Centre (PIC) , West Bengal State Council of Science & Technology (WBSCST) ,DST-Govt.of West Bengal & Patent Facilitating Centre (PFC),Technology Information Forecasting & Assessment Council (TIFAC),DST-Govt .of India ,held during 24<sup>th</sup> -25<sup>th</sup> September, 2013.
- **Dr.Subhajit Ray** : Paper presented and Abstract published in the Seminar Proceedings on the topic “**Development of Novel Functional Beverage by Formulating Carrot Juice & Fermented Dairy Product**”. In the Intellectual Property Right Congress,15<sup>th</sup> Year Celebration of Patent Information Centre, Organized jointly by Patent Information Centre (PIC) , West Bengal State Council of Science & Technology (WBSCST) ,DST-Govt.of West Bengal & Patent Facilitating Centre (PFC),Technology Information Forecasting & Assessment Council (TIFAC),DST-Govt .of India ,held during 24<sup>th</sup> -25<sup>th</sup> September, 2013.

### National Journal

- **Dr.Kakali Bandyopadhyay , Dr.Anju Paul , Dr.Sunita Adhikari** : Characterization of Pumpkin Seed and Pumpkin Seed Oil accepted for Publication in April,2014 and to be published in Sep-Nov,2014 issue., Beverage & Food World.
- **Dr.Kakali Bandyopadhyay , Dr. Chaitali Chakraborty** : Development of Healthy Appetizer Using Sweet Potato Powder as Functional Ingredient” (Accepted and will be published in June, 2014 issue), **Beverage & Food World**.
- **Dr. Subhajit Ray,Dr. Anju Paul**, “Development of a process for the production of herbal ice cream and evaluation of its Quality” in **Journal of Beverage & Food World**, July 2013, Vol.40(7), pp 40-43, **ISSN: 0970-6154**
- **Dr. Subhajit Ray**, “Studies on the Development of Osmodried Fruits Viz. Pineapple, apple,bananas etc. and Determination of their Quality Characteristics, **Journal of Beverage & Food World**, September 2013,Vol 40 (9), pp no. 25-29,2013,**ISSN: 0970-6154**

### International Journal

- **Dr.Kakali Bandyopadhyay , Dr.Chaitali Chakraborty** : “Fortification of Mango Peel and Kernel Powder in Cookies Formulation”, 2(12): 661-664.(May, 2014) Journal of Academia and Industrial Research (JAIR).
- **Dr.Subhajit Ray**: Sources, Characterization, Synthesis and Utilization of Microbial Surface Active Biomolecules: A Review, The Journal of Bioprocess Technology, Vol.99,January/2014/360-388.
- **Dr. Sunita Adhikari, Prof. Parimal Chattopadhyay** : “Biosorption of Malathion Using Dry Cells of Bacillus Species S14 In A Packed Bed Column Reactor”**Journal of Chemical Speciations and Bioavailability**, July,2013, 0954-2299,2013



**DEPARTMENT: ECE****International Journal**

- **Arun Kumar Mondal**, “Optimization of Transmission Ranges and Improve Information Efficiency of MIMO Equipped Mobile Ad hoc Network in Presence of Fading” **International Journal** of Computer and Technology, Vol. 10, Issue 5,ISSN 2277-3061, pp.1585-1591, August **2013**
- **Antara Ghosal,Anurima Majumdar,Dr. Sisir Kr Das,Dr. Annapurna Das**, “Analysis of a class of multi-frequency microstrip antenna for mobile handset” IJECSE,2014,ISSN- 2277-1956ISSN 2277-1956/V3-N2-Pg No.108-115.
- **Aditi Sengupta,Dr. Sisir Kumar Das,Dr. Annapurna Das**, “Analysis of Extremely Low VSWR Characteristics of Feed Network of Rectangular Microstrip Patch Antenna” International Journal of Electronics Communication and Computer Technology, Pg no : 623-627 Volume 4 Issue 3.

**DEPARTMENT: ASH****National Seminar / Conference**

- **Dr. Indrajit Bose**: “*Speak Like a Pro*” TEQUIP II Sponsored National Workshop on “Facing the Challenges of Teaching English in Engineering Colleges” held at CEM, Kolaghat on 25<sup>th</sup> August. 2013
- **Mr. Shantanu Chakraborty**: My Students’ Pluperfect Presentation In Transcending Boundaries; English Language in Technical Education [ELITE 2013] held at GIMT, Krishnanagar

**National Journal**

- **Dr. Indrajit Bose** : Are You Listening? Choosing Listening Materials for ESP, Vol 10 pp. 49-53 Rajasthan ELTI Journal Vol 10 (September 2013 issue)

**International Seminar / Conference**

- **Mr. Shantanu Chakraborty** : The Language laboratory in Transcending Boundaries; English Language in Technical Education [ELITE 2014] held at GIMT, Krishnanagar

**International Journal**

- **Ms. Sucharita Chakraborti**: Connectedness and its Applications, Vol. 8, 2013, no. 38, 1889 – 1901 International Mathematical Forum.ISSN:1312-7594,impact factor:0.323

- **Ms. Sucharita Chakraborti:** On Caccioppoli-Kannan Type Fixed Point Principle in Generalized Metric Spaces, Vol. 8, 2013, no. 20, 1001 – 1006 International Mathematical Forum. ISSN:1312-7594, impact factor:0.323
- **Ms. Sucharita Chakraborti:** a fixed point theorem of caccioppoli – kannan type on a class of generalized metric spaces, Accepted for publication in March, 2014 International Mathematical Forum. . ISSN:1312-7594, impact factor:0.323
- **Dr. Indrajit Bose:** Connecting British and American Modernism: Narrative Strategies in the Works of Stephen Crane and Conrad, n. pag. Online JUSAS Online 1<sup>st</sup> issue (July 2013).
- **Mr. Mainak Debnath:** Catalytic oxidation of aromatic hydrocarbons by mono-oxidoalkoxidovanadium(V) complexes of ONNO donor ethylenediaminebis(phenolate) ligands.” 63 (2013) 189–198 *Polyhedron*. impact factor:1.81.
- **Mr. Mainak Debnath:** A novel thermally stable hydroperoxo–copper(II) complex in a Cu(N2O2) chromophore of a potential N4O2 donor Schiff base ligand: synthesis, structure and catalytic studies.” 2013, 42, 13210 *Dalton Trans.* impact factor:3.84
- **Mr. Gautam Mondal & Mr. Anup Kumar Thander :** Numerical comparison of multi-step iterative methods finding roots of nonlinear equations Vol.4 No. 8149-152 in International Journal of Mathematics Trends and Technology. ISSN:231-5373, impact factor:0.462

## DEPARTMENT: CA

### International Journal

- **Dr Santanu Kumar Sen, Sharmistha Dey,** “An Investigation towards Security Threats for Cloud computing”, International Journal of Engineering Sciences and Research Technology, paper accepted for publication, ISSN No 2277-9655, 2013. impact factor:1.852
- **Dr Santanu Kumar Sen, Sharmistha Dey,** “A Novel Concept of Security Matrix to Measure Impact of Attack vectors in Cloud Networks” , published on International Journal of Advanced Research in Computer Science and Software Engineering; [status: International Journal], paper accepted for publication, 2013 [ISSN No 2277-128]. impact factor:2.080
- **Sharmistha Dey, Sourav Auddy, Sonali Saha,**” A Survey on Security Issues of Inter Cloud Computing”, published on International Journal of Advanced Research in Computer Science and Software Engineering [status: International Journal] Volume 3, Issue 11, November 2013 [ISSN: 2277 128X] impact factor:2.080
- **Somalina Chowdhury,**” A New Combinational Approach Using Different Encryption Technique”, published on International Journal of Advanced Research in Computer Science and Software Engineering [status: International Journal] Volume 3, Issue 8, August 2013 [ISSN: 2277 128X] impact factor:2.080

## DEPARTMENT: FMS

### International Journal

- **Dr. Rajdeep Bakshi**, Professor and HOD, “Study on Brand Positioning of Motorcycles, Perspectives in Management”, Vol. 03, No 02, PP 123-129, ISSN No. 0974 7095. IMPACT FACTOR: 0.183

**2012-13**

## **DEPARTMENT: CSE**

### **National Seminar / Conference**

- **Mr. Sandip Tigga, Mr. Sourish Mitra** : “*Performance Analysis of TCP Variants in IP Network*” National Seminar on Security Aspects in Modern Communication System (NSSAMCS-2013) March 5-6, 2013.
- **Dr. Santanu Kr. Sen, Ms. Bidyutmal Saha, Ms. Mandira Banik** : “*Fingerprint Authentication - The Most Popular Biometric Tool*” National Seminar on Security Aspects in Modern Communication System (NSSAMCS-2013) March 5-6, 2013.
- **Dr. Santanu Kr. Sen, Ms. Sayani Chandra Ms. Ipsita Saha** : “*Security through Obscurity An Approach to Steganography*” National Seminar on Security Aspects in Modern Communication System (NSSAMCS-2013) March 5-6, 2013.
- **Ms. Sanghamitra De, Mr. Sourav Bhattacharjee, Mr. Rudradip Mishra**: “Combinatorial approaches to finding subtle signals in DNA sequences”, National Conference on Recent Trends on Bio-Computing (RTBC-2013), BITM, 14-15, March, 2013.
- **Santanu Kr. Sen** : “A Study on Position-based Routing Protocols for Mobile Ad Hoc Networks” National Seminar on Security Aspects in Modern Communication System (NSSAMCS-2013) March 5-6, 2013.
- **Moloy Dhar** “Identification of Human Using Image Parsing Techniques” National Seminar on Security Aspects in Modern Communication System (NSSAMCS-2013) March 5-6, 2013.
- **Srabani Kundu, Sinthia Roy, Poojarini Mitra**: “A Distributed Approach For Energy Hole” National Seminar on Security Aspects in Modern Communication System (NSSAMCS-2013) March 5-6, 2013.
- **Sourav Ganguly, Santanu Kr. Sen**: “A Comparative Study between Sobel Operator and Canny Edge Detector Algorithms” National Seminar on Security Aspects in Modern Communication System (NSSAMCS-2013) March 5-6, 2013.
- **Dr. Santanu K. Sen**: “A Survey on Cloud Computing Security Threats” National Seminar on Security Aspects in Modern Communication System (NSSAMCS-2013) March 5-6, 2013.
- **Dr. Santanu K. Sen**: DVR- based Hybrid Routing Protocols in mobile Ad hoc Networks: Applications and Challenges National Conference on Research and Higher Education Information Technology (RHEIT-2013), Assam University, Feb, 2013
- **Palash Dutta, Moloy Dhar, Rafiqul Islam**: “An Advanced Approach for Real-time Matching Algorithm of Navigation using Edge Detection” National Seminar on Security Aspects in Modern Communication System (NSSAMCS-2013) March 5-6, 2013.
- **Ankur Mondal, Palash Dutta, Debraj Roy**: “Region Marking of Face and Eye Using Skin Tone Segmentation” National Seminar on Security Aspects in Modern Communication System (NSSAMCS-2013) March 5-6, 2013.
- **Moloy Dhar**: “Identification of Objects Using Image Annotating Techniques” National Seminar, NSSAMCS-2013, (page No.-100), 2013.

### International Seminar / Conference

- **Mrs Srabani Kundu**, *In-Network Area Estimation and localization in Wireless Sensor Networks*, GC'12 Workshop: The 7th IEEE International Workshop on Heterogeneous, Multi-Hop, Wireless and Mobile Networks.
- **Dr. Santanu Kumar Sen** : “Effective Performance Analysis of DVR-based Routing Protocols with Random Way Point in MANET” International Conference on Computer Networks and Information Technology (ICCNIT 2013), Bangkok, Thailand pg-29-30, June,2013
- **Moloy Dhar** : “Identification of Human Using Image Parsing Techniques: a Novel Approach International Conference on Computation and Communication Advancement-2013(IC3A-2013),TMH,ISBN(13): 978-1-25-906393-0 ,ISBN(10): 1-25-906393-3 11-12 Jan,2013
- **Ipshta Saha, Sayani Chandra**: “Classifiers for Feistel ciphers with two Different Feistel Functions” International Conference on Computation and Communication Advancement 2013(IC3A) on.”-Page 83-87,11-12th January,2013.
- **Ms. Ipsita Saha. Ms Srabani Kundu** :SMAC:Simulation for Analysis of Vehicles Collision in WSN, 2<sup>nd</sup> International conference of Computing Cmmunication and Sensor Network, CCSN 2013.
- **Ankur Mondal** : “Modified estimation of Distribution algorithm with differential mutation for constrained optimization” **S Debchoudhury, S Biswas, S Kundu, S Das, AV Vasilakos, Ankur Mondal** Evolutionary Computation (CEC),20-23 june 2013 IEEE Congress on, 1724-1731.

### International Journal

- **Santanu Kumar Sen**: “DVR-based MANET Routing Protocols Taxonomy”, International Journal of Computer Science & Engineering Survey (IJCSES) Vol.3, No.5, October 2012. Impact factor: 1.187
- **Santanu Kumar Sen** “A Review of DVR-based Routing Protocols for Mobile Ad Hoc Networks”, International Journal of Computer Applications (0975–8887) Dec,2012.
- **Arnab Mitra, Santanu K. Sen**, “An Approach to Detect Black Hole Nodes in Wireless Network Using Cellular Automata” International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSE), Volume 2, Issue 9, September 2012 ISSN: 2277 128X, pp 210-219. Impact factor: 2.080
- **Mr. Moloy Dhar**: Content Based Image Retrieval: A Novel Approach for Image Recognition, International Journal for Computer Science & Informatics, 2012..impact factor:1.6
- **Sourish Mitra, Sayani Chandra Bidyutmala Saha**: “Generate an Encryption key by using Biometric Cryptosystems to Secure Transferring of Data over a Network” ,International Organization of Scientific Research (IOSR) [status:- International Journal](Published)e-ISSN:2278-0661P-ISSN:2278-8727 Volume 12, Issue 1(May-June, 2013), PP 16-22,May,2013..impact factor:1.686
- **Ms. Sinthia Roy**: “An Effective Use of Web Based E-Learning System in Educational Institution”, IJERT, June 2013, vol 2 Issue 6. .impact factor:1.76

**DEPARTMENT: IT****National Seminar / Conference**

- **Sudeep Ghosh, Sahana Biswas, Subhadeep Chowdhury, Prasann Kumar**, "Performance Analysis of 2 Dimension Mesh Topology Network-On-Chips with Odd-Even Routing Algorithm" National Seminar on Security Aspects in Modern Communication System (NSSAMCS-2013) March 5-6, 2013.
- **Chowdhury Md. Mizan, SayanKhasnabis, SubhajitRaha, SayanChaudhuri, Joydeep Paul, SushovanSen Sharma, Anudeep Ghosh**, "A Secured Approach to RSA Algorithm using Enhanced Encryption Technique" National Seminar on Security Aspects in Modern Communication System (NSSAMCS 2013),pp 17-19,2013
- **Chowdhury Md. Mizan, Laboni Chakraborty, SayakDas, SusmitaMitra, Indrajit Mondal** "Finding a shortest path in lattice structure by using OLAP technology", National Seminar on Security Aspects in Modern Communication System (NSSAMCS).pp 59-62,2013

**International Seminar / Conference**

- **Trishita Ghosh,Sulata Mitra** " *Congestion Control by Dynamic Sharing of width among Vehicles in VANET*" 12th International Conference on Intelligent Systems Design and Applications (ISDA 2012), Cochin. 27-29 Dec 2012.
- **Baisakhi Das, Bibhash Sen, Divyam Saran and Biplab K Sikdar** ;*Identification of Power Hungry Unit In a Processor With Faulty Predictor*; IEEE International Conference on Circuits and Systems -ICCAS2012; Oct 3-5,2012; Kuala Lumpur, Malaysia.

**International Journal**

- **Sudeep Ghosh, Hafizur Rahaman**: " A General Purpose Simulator for Network-On-Chips" Journal of Information Systems and Communication ,ISSN: 0976-8742 & E-ISSN: 0976-8750, Volume 3, Issue 1, 2012, pp.-174-178.IMPACT FACTOR: 7.14
- **Suparna Karmakar, Sayani Chandra**, "An Approach for Ensuring Security and its Verification "International Journal of Computer Science Engineering (IJCSE)vol-02, No-03, May,2013. ISSN: 2319-7323. Page(s): 42-49,2013

**DEPARTMENT: AEIE****National Seminar / Conference**

- **Sudip Kuila, Dibyendu Sur**, "Rolling Element Bearing Fault Classification automatically using Wavelet Packet Decomposition and Artificial Neural Network"National Seminar on Security Aspects in Modern Communication System (NSSAMCS-2013) March 5-6, 2013.

- **Sudip Kuila, Abhishek Bhowmik**, "Parameter Identification of Permanent Magnet Synchronous Motor Using Special Optimization Technique" National Seminar on Security Aspects in Modern Communication System (NSSAMCS-2013) March 5-6, 2013.
- **Dibyendu Sur, Rajanya Chakraborty, Anirban Sastri, Mayuresh Roy, Tanumay Ghosh, Abhishek Ghosh and Sandeep Chowdhury**. "An Approach to Wireless Power Transfer" 9th All India People Technology Congress, February 8-9, 2013
- **Dibyendu Sur, Ranjan Tarafdar, Madhulina Sur** "Water Level Controller Using 555 Timer IC" 9th All India People Technology Congress, February 8-9, 2013
- **Dibyendu Sur, Soumika Ghosh, Sarmistha Ray, Sayani Sengupta, Sucheta Routh, Saborni Das, Shilpi Banerjee**, "Automatic Password Based Door Lock System" 9th All India People Technology Congress, February 8-9, 2013
- **Dibyendu Sur, Soumika Ghosh, Sarmistha Ray, Sayani Sengupta, Sucheta Routh, Saborni Das, Shilpi Banerjee** "Password based automatic door lock system" March 22-23, Academic Meet 2013

### International Seminar / Conference

- **Dibyendu Sur** "Neural Network Based TEC Model Using Multistation GPS-TEC Around The Northern Crest Of Equatorial Ionization Anomaly" (accepted), at 5th International Conference on Computers and Devices for Communication, CODEC-2012, December 17-19, 2012
- **Bapita Roy**, "Technology CAD for Anti-reflecting Coating Engineering on Silicon Solar Cells" at CCSN-2012 International Conference on Computing, Communication and Sensor Network At PIET, Orissa organised by Collaboration with Institution of Engineers, Rourkela, Orissa on November 22-23, 2012

### DEPARTMENT: FT

### National Seminar / Conference

- **Amit Kumar Barman** : "Antioxidative Potential of Probiotic: An Overview" AICTE sponsored National Seminar on Recent Advances in the development of Natural Antioxidants on 12-13<sup>th</sup> March 2013.
- **Amit Kumar Barman** : Development of Fermented Food from Soy milk and Peanut Milk of FOSET: ACADEMIC MEET - 2013 held at Modern Institute of Engineering & Technology (MIET), Rajhat, , on 23<sup>rd</sup> March, 2013.
- **Dr. Subhajit Ray** : Published Full Paper on Natural Antioxidants as a Potential Marker for Food stability and Health Benefit-A Review in AICTE Sponsored National Seminar on Recent Advances in the Development of Natural Antioxidants to be held on 12<sup>th</sup>&13<sup>th</sup> March 2013 organized by Department of Food Technology, Guru Nanak Institute of Technology, Sodepur, Kolkata, West Bengal, India.
- **Dr. Kakali Bandyopadhyay** : Utilization of Mango Peel Powder as a source of Phenolic compounds in Biscuit formulation, AICTE Sponsored National Seminar on Recent Advances in the Development of Natural Antioxidants, Organized by the Department of Food Technology, Gurunanak Institute of Technology, 12<sup>th</sup>-13<sup>th</sup> March, 2013.

- **Dr. Kakali Bandyopadhyay , Dr.Sunita Adhikari , Dr.Anju Paul** : Antioxidant Capacity of Pumpkin Seed Oil, **AICTE Sponsored National Seminar on Recent Advances in the Development of Natural Antioxidants**, Organized by the Department of Food Technology, Gurunanak Institute of Technology, 12<sup>th</sup>-13<sup>th</sup> March, 2013 pp no.177.
- **Dr. Kakali Bandyopadhyay** : Mango Peel + Kernel+Polyphenols++, **AICTE Sponsored National Seminar on Recent Advances in the Development of Natural Antioxidants**, Organized by the Department of Food Technology, Gurunanak Institute of Technology, 12<sup>th</sup>-13<sup>th</sup> March, 2013.
- **Dr. Subhajit Ray** :Published Abstract for Poster Presentation on Effect of Natural Antioxidant on Human Health in AICTE Sponsored National Seminar on Recent Advances in the Development of Natural Antioxidants to be held on 12<sup>th</sup> & 13<sup>th</sup> March 2013 organized by Department of Food Technology, GuruNanak Institute of Technology, Sodepur, Kolkata, West Bengal, India.
- **Dr.Subhajit Ray,Dr.Chaitali Chakraborty** : Published Abstract for Poster Presentation on Flavonoids as Natural Antioxidants in AICTE Sponsored National Seminar on Recent Advances in the Development of Natural Antioxidants to be held on 12<sup>th</sup> & 13<sup>th</sup> March, 2013 organized by Department of Food Technology., GuruNanak Institute of Technology, Sodepur, Kolkata, West Bengal, India.
- **Dr.Subhajit Ray** :Published Full Paper on Effect of  $\beta$ -carotene on value addition of biscuit in AICTE Sponsored National Seminar on Recent Advances in the Development of Natural Antioxidants to be held on 12<sup>th</sup> & 13<sup>th</sup> March 2013 organized by Department of Food Technology. GuruNanak Institute of Technology,Sodepur,Kolkata,West Bengal, India.
- **Dr.Sunita Adhikari,Prof.Parimal Chattopadhyay** : Abstract published on Studies on the Extraction of Lycopene from a cheap source at AICTE sponsored National Seminar on Recent advances in the development of Natural Antioxidants organized by Dept. of FT,GNIT on 12-13<sup>th</sup> March, 2013, pp no.86-88.
- **Dr.Sunita Adhikari,Prof.Parimal Chattopadhyay**, Abstract published on Studies on the Estimation of Antioxidants in locally available fruits at AICTE sponsored National Seminar on Recent advances in the development of Natural Antioxidants organized by Dept. of FT,GNIT on 12-13<sup>th</sup> March, 2013, pp no116-119.
- **Dr. Sunita Adhikari**, Abstract published on Application of Rosamary Oleoresin as natural antioxidant in foods.at AICTE sponsored National Seminar on Recent advances in the development of Natural Antioxidants organized by Dept. of FT,GNIT on 12-13<sup>th</sup> March, 2013 pp no.147.
- **Dr. Sunita Adhikari**, Review paper published on Enzymes as Natural Antioxidant : A Review at AICTE sponsored National Seminar on Recent advances in the developmentof Natural Antioxidants organized by Dept. of FT,GNIT on 12-13<sup>th</sup> March, 2013, pp no.75-78.
- **Dr. Anju Paul** : “Triphala- A Power House of Antioxidant” in the Seminar Proceedings of AICTE Sponsored National Seminar on Recent Advances in the Development of Natural Antioxidants, held on 12<sup>th</sup>-13<sup>th</sup> March,2013, in FT Dept. GNIT.
- **Dr. Anju Paul** : “Pomegranate-An Amazing Source of Natural Antioxidant” in the Seminar Proceedings of AICTE Sponsored National Seminar on Recent Advances in the Development of Natural Antioxidants, held on 12<sup>th</sup>-13<sup>th</sup> March,2013, in FT Dept. GNIT.
- **Dr. Chaitali Chakraborty** :Abstract published on the topic ‘ **Development of Herbal Poyphenol Enriched Whey Drink**’. SamyeetaGhosh , Puja Roy, Dr.ChaitaliChakraborty in 41<sup>st</sup> Dairy Industry Conference on a theme “Global Dairy Industry and Food Security” on March 14-16, 2013 at Mumbai organized by Indian Dairy Association (West Zone).
- **Dr. Chaitali Chakraborty** : Abstract published on the topic ‘**Herbal Whey Drink: A Multipurpose Aid To Health**’.SamyeetaGhosh , Puja Roy, Dr.ChaitaliChakraborty in 4<sup>th</sup> Inter Engineering College Academic Meet on March 22-23, 2013 at Modern Institute Of Technology, Kolkata, W.B organized by FOSET.

- **Dr. Chaitali Chakraborty** : Abstract published on the topic '**Antioxidant and Antimicrobial Activity of Indian Medicinal Herbs**'. Samyeeta Ghosh , Puja Roy, Dr.Chaitali Chakraborty in AICTE sponsored National Seminar on a theme "Recent Advances in the Development of Natural Antioxidants" on March 12-13, 2013 at Food Technology Department, Gurunanak Institute of Technology, Kolkata, W.B.
- **Dr. Chaitali Chakraborty** : Paper published on the topic '**Preparation and Characterization of Herbal Whey Drink**'. Moumita Khanra, Samyeeta Ghosh , Puja Roy, Supriyo Ghosh, Dr.Chaitali Chakraborty in AICTE sponsored National Seminar on a theme "Recent Advances in the Development of Natural Antioxidants" on March 12-13, 2013 at Food Technology Department, Gurunanak Institute of Technology, Kolkata, W.B.
- **Dr. Subhajit Ray** : Research paper Published on "Recent Development of Health Beneficial Lactic Beverages by the Application of Lactic Acid Bacteria" in Journal of Beverage & Food World, July 2012, vol.39, No.7, pp 27-29, 32, ISSN:0970-6154.
- **Singh M. P., Giri, A., Gupta, H. R., Khetra, Y., Kanawjia, S. K. :** Nanotechnology developments in food packaging. National Seminar on "Global opportunities & concerns in dairy and food sector" at NDRI, organized by NDRI Graduate Association, on 28-29<sup>th</sup> September, 2012, Published in Souvenir, Page: 116

### National Journal

- **Dr. Subhajit Ray**, "Research paper Published on Studies on the Development of Carrot Powder fortified and its Utilization in Value added Biscuit production" in **Journal of Beverage & Food World** , February 2013, Vol.40(2), pp 52-54,ISSN: **0970-6154**
- **Dr. Subhajit Ray**, "Studies on the Development of Pork Sausage under Refrigerated Storage Condition" in **Journal of Beverage & Food World**, May 2013, Vol.40(5), pp 31-35, **ISSN: 0970-6154**
- **Dr. Sunita Adhikari** : "Production of Mixed Fruit Wine by *Sacharomyces cerevisiae* MTCC 178 **Journal of Beverage & Food World** (National) Vol 40 (4), pp no. 42-44,2013, 0970-6154,2013.
- **Dr. Sunita Adhikari** : Paper published in the Journal Beverage & Food World entitled **Production of Mixed Fruit Wine by *Saccharomyces cerevisiae* MTCC 178** in 2013, Vol 40 (4), pp no. 42-44.
- **Dr. Chaitali Chakraborty** : Pulse Electric Field (PEF) Processing- Application in Dairy Industry. **Beverage & Food World. 40** (3): 42-47.
- **Mr. Amit Kumar Barman** : Potential application of high pressure carbon dioxide in food industry Association of Food Scientist & Technologist 32(1): 35-41 (2013)ISSN-0972-2610, 2013
- **Dr. Subhajit Ray** : Research paper published on "Studies on the Suitability of Kinema Powder for Biscuit Manufacturing Process" in Journal of Beverage & Food World, September 2012, vol.39, No.9, pp 21-24, ISSN: 0970-6154.
- **Dr. Subhajit Ray** : Research paper Published on Recent Development of Health Beneficial Lactic Beverages by the Application of Lactic Acid Bacteria in Journal of Beverage & Food World, July 2012, vol.39, No.7, pp 27-29, 32, ISSN:0970-6154.

### International Journal

- **Dr. Chaitali Chakraborty** : " Lipolysis of Milk: A Review". International Journal of Agricultural sciences and Veterinary Medicine (International) 1(1): 58-74, (2013) ISSN: 2320-3730,2013.



- **Dr. Chaitali Chakraborty, , Khanra, M., Ghosh, S., Roy, P. :** Research paper published in *Wesleyan Journal of Research* entitled “Development of Green Tea fortified Whey Drink”, 6 (1): 48-57, June, 2013. ISSN: 0975-1386.
- **Dr. Chaitali Chakraborty, Dr.Kakali Bandyopadhyay :** “Studies on Utilization of Mango Peel and Mango Kernel Powder in Biscuit Formulation” African Journal of Food Science and Technology, 4(5) pp 54-58., (2013)ISSN:2141-5455,2013
- **Dr. Subhajit Ray,** “Extracellular Microbial Lipase Production, Purification, Recovery and Immobilization: A Review.” *The Journal of Bioprocess Technology (International)*. Photon 98, 240-259, ISJN: **6383-4392**, **Impact Index: 3.94**
- **Amit Kumar Barman,** ”Potential application of high pressure carbon dioxide in food industry **Association of Food Scientist & Technologist** 32(1): 35-41 (2013)ISSN-0972-2610, 2013
- **Prof. Parimal Chattopadhyay,** “Excess adsorption of Biomolecules on soft surfaces: Adsorption of DNA, proteins and lactose on fatty surfaces, **Adv. Biol, Chem**,3 , 40,2013
- **Dr. Subhajit Ray :**“Studies on the development of carrot based food products of enhanced physicochemical properties: An Overview, The Journal of Food Technology, Photon 105, 153-160, 2013, ISJN: 3852-1875, Impact Index: 3.43
- Dr. Subhajit Ray, “Chemistry and Extraction of Pectin from Citrus Residues: A Review, The Journal of Food Technology, Photon 105, 161-170, 2013, ISJN: 3852-1875, Impact Index: 3.43
- Dr. K. Bandyopadhyay, Dr. C. Chakraborty and Amit kumar Barman :Research paper published in *Wesleyan Journal of Research* entitled “Nutritional and Rheological Characterization of Potato Powder Based Indian Traditional Dairy Product: Kheer”, 5 (1): 42-49, September, 2012. ISSN: 0975-1386.
- **Dr. K. Bandyopadhyay, Dr.C. Chakraborty and Amit kumar Barman :** Research Paper published entitled “Effect of Microwave and Enzymatic Treatment on the Recovery of Protein from Indian Defatted Rice Bran Meal” in the *Journal of Oleo Science*, Japan, 61 (10), September, 2012

## **DEPARTMENT: EE**

### **National Seminar / Conference**

- **S. Mazumder, R. Majumder, S. K. Roy,** National Conference on “Modeling of Generalized Photovoltaic Module Using Matlab/Simulink Software”, in DIREC 2012, National Conference on Renewable Energy for Development of under-developed areas with particular reference to North-East India, Tezpur University Tezpur, Assam. 23-24 Nov , 2012.
- **Susovan Dutta, , R. Mukherjee,**“ Neuro-Fuzzy –Hybrid tank level controller in a lubricant process plant” at national conference at HETC held during 8-9 July 2012.
- **S. Majumder, R. Mukherjee, K. Meenalochani,** National Conference on “Generalized Model of Photovoltaic Module using Matlab/Simulink Software”, in TECH-MEET 2013, National Conference in Electrical Power Engineering, Electronics and Computer, **Pailan College of Management & Technology, West Bengal. 12-13 February, 2013**

- **R.. Mukherjee , R MAJUMDER**, “Swiching transient analysis in 33/11 KV substation” national conference at HIT held during 13-14<sup>th</sup> march 2013

## **DEPARTMENT: ECE**

### **National Seminar / Conference**

- **Arun Komar Mondal**, “Study of Ad Hoc Network and Implementation of MIMO Technique in MANET” National Seminar on Security Issue in Modern Communicating Network, pp. 45-48, July 2013
- **Koushik Pal**, “Authentication And Content Protection For Electronic Patient Record Through Biomedical Watermarking” 4<sup>th</sup> Academic Meet 2013, organized by ‘Fellow of Scientist Engineers and Technologist, pp. 12-20, 2013.
- **Koushik Pal**, “Color MRI Image Watermarking: A Recent Advancement in Biomedical Field for Data Security and Authentication of EPR” CDAC sponsored National Seminar on Advance Computing and Communication-ACC, pp. 7-12, 2013.
- **Koushik Pal**, “Medical Image Watermarking: An Advanced Tool for Secure Data Transmission through Health Information Network” National seminar On Advancement of Security Issues in Modern Communicating Network-ASICN, pp. 5-15, 2013.
- **Koushik Pal**, “Hiding Patient Information in different Colour Space Scanned Biomedical Image using Watermarking for Protected and Authenticated Data Storage in Modern Health Care System” AICTE Sponsored National Conference on Control, Communication & Device Electronics-N3CD, pp. 125-132, 2013.
- **Koushik Pal**, “Performance Analysis of Spatial and Frequency Domain Watermarking for Biomedical Image Security” AICTE sponsored National Seminar on Security Aspects of Modern Communication Systems-NSSAMCS ,pp. 72-82, 2013.
- **Suparna Biswas**, “Texture based color image segmentation” National Seminar on Security Aspects in Modern Communication Systems-2013.
- **Sayan Roy Chaudhuri**, “Comparative Analysis of LMS and RLS Algorithms & its Application in Unknown System Identification” National Seminar on Security Aspects in Modern Communication Systems-2013.
- **Surajit Basak**, “Multiuser Detection for CDMA System” National Seminar on Security aspect in modern communication system NSSAMCS, March 5-6, 2013.
- **Surajit Basak**, “Enhancing the Channel Capacity using MIMO System” National Seminar on Security aspect in modern communication system NSSAMCS, March 5-6, 2013.
- **Soma Manna**, “Data Confidentiality In Mobile Adhoc Networking Using Secret Sharing Scheme” National Seminar on Security aspect in modern communication system NSSAMCS, March 5-6, 2013.
- **Palasri Dhar**, “Development of AlGaAs /GaAs/ AlGaAs based Step Quantum well to produce Tunable Photo Detector and ElectroAbsorption Modulator” National Seminar on Security Aspects in Modern Communication System-2013, March 5-6, 2013

### International Seminar / Conference

- **Dr Annapurna Das, Dr. Sisir Kumar Das, Antara Ghosal, Anurima Majumdar**, “Radiation Characteristics of a class of dual frequency circular microstrip antennas” IEEE TENCON-Spring 2013.
- **Dr Annapurna Das, Dr. Sisir Kumar Das, Antara Ghosal, Anurima Majumdar**, “Analysis of a class of multifrequency microstrip antenna for mobile hand set” IEEE TENCON-Spring 2013.
- **Koushik Pal**, “Extraction and Authentication of Hidden Patient’s Information from Biomedical Image through Crypto-Watermarking Technique” IEEE 4<sup>th</sup> International Conference on Technical and Managerial Innovation in Computing and Communications in Industry and Academia, pp. 183-188, 2013.
- **Koushik Pal**, “A New Combined Crypto-Watermarking Technique using RSA Algorithm and Discrete Cosine Transform to Retrieve Embedded EPR from Noisy Bio-Medical Images” IEEE 1<sup>st</sup> International Conference on Condition Assessment Techniques in Electrical Systems, IEEE CATCON 2013, Kolkata.
- **Dipasri Das**, “FPGA Based DC/DC Converter for MPPT of Solar Cell” International Conference on Computation and Communication Advancement (IC3A-2013), IEEE, 11-12<sup>th</sup> January, 2013

### International Journal

- **Dr Annapurna Das, Dr. Sisir Kumar Das, Antara Ghosal, Anurima Majumdar**, “Analysis of a dual frequency slotted circular microstrip antenna” IJECSE, 2013, ISSN 2277-1956/V2N4-1257-1264.
- **Arun Komar Mondal**, “Investigation of packet transmission strategies of MIMO equipped Mobile adhoc network using space-time coding” International Journal of Engineering Inventions Vol. 1, Issue 7, ISSN 2278-7461 ,pp. 29-35, October 2012.

### DEPARTMENT: ASH

### National Seminar / Conference

- **Dr. Soma Mukherjee** : Transport properties of diamond –like carbon films and its application in Technology and Industry: in “UGC-sponsored 96<sup>th</sup> Orientation Programme” from Academic Staff College, CU. during 23<sup>rd</sup> June to 21<sup>st</sup> July 2012.
- **Dr. Indrajit Bose** : “Listening in Context: Pragmatics of Business Telephony”, paper presented at 2-day Teacher Training programme “Communication Skills at the Workplace” at the Institute of English, Kolkata on 17<sup>th</sup> October 2012.
- **Dr. Indrajit Bose** : Communicative Competence & its Uses October 2012 in Seminar on Effective Communication held at St. Xavier’s College, Kolkata.
- **Dr. Indrajit Bose** : Person-to-Person: Modalities of Workplace Communication April 2013 In Seminar on “Corporate Communication” held at Vivekananda Group of Institutions, Sonarpur.

- **Dr. Sucharita Bhattacharyya & Mr. Anup Thander** : Study of optical wave guide using HOC scheme Recent Trends in Communication Technology (RTCT 2013) held IETE, Burdwan on their Diamond Jubilee Celebration and Dept. of Physics, Burdwan University.
- **Dr. Sucharita Bhattacharyya & Mr. Anup Thander** :Application of Mathematical Model in the study of Optical Wave Guide in National workshop on Mathematical Models for Scientific and Technological Applications (MMSTA 2013 held at RCC institute of Information Technology, Calcutta.
- **Dr. Sucharita Bhattacharyya** : Nano-the concept and application in some areas of Physics in 20th Refresher Course in Physics entitled Modern Aspects of Physics from Department of Physics & UGC-Academic Staff College, University of Calcutta during (9<sup>th</sup> -28<sup>th</sup> ) July, 2012.
- **Ms. Samata Saha** : in Refresher course in Perspectives in physics from Dept of Physics & UGC-Academic Staff College , jadavpur university during (3-22) Dec, 2012.
- **Sreyasri Basu**: “Synthesis and application of some novel Guar Gum derivatives” in “UGC-sponsored 96<sup>th</sup> Orientation Programme” from Academic Staff College, CU. during 23<sup>rd</sup> June to 21<sup>st</sup> July 2012.

### National Journal

- **Mr. Shantanu Chankraborty** : My Students’ Pluperfect Presentation, 63 to 66 Research Revolution.

### International Seminar / Conference

- **Mr. H.Dasgupta, Ms. Sucharita Chakrabarti and Mr. Somnath Bandhopadhyay**: “On Caccioppoli-Kannan Type Fixed Point Principle in Generalized Metric Spaces”. Accepted for publication in International Mathematical Forum,2012.
- **Dr. Soma Mukherjee**: Anomalous transport and dielectric behavior of CaCu<sub>3</sub>Ti<sub>4</sub>O<sub>12</sub> (CCTO) type high dielectric constant materials in 100th Science Congress, Jan 3-7, 2013, held at Calcutta University, India.
- **Mr. Shantanu Chankraborty**: Participated in Motivation and Delegation in the Work Place held at British Council, Kolkata.

### International Journal

- **Mr. Anup Kr. Thander and Mr. Gautam Mondol** : “Improved *Ujević* method for finding zeros of linear and nonlinear equations” , International Journal of Mathematics : Trends and Technology – Volume 3 Issue 2 – 2012 , Page 74-78.ISSN:2231-5373, impact factor:0.462
- **Mr. Anup Kr. Thander and Mr. Chinmoy Ghosh** : “Normal magic square and its some matrix properties” , International Journal of Mathematics Trends and Technology – Volume 3 Issue 3 – 2012 , Page 91-95. ISSN:2231-5373, impact factor:0.462
- **Mr. Anup Kr. Thander, Mr. Sayan Paul and Ms. Promita Maitra** : “Improved Shamanskii method for finding zeros of linear and nonlinear equations ”, Applied Mathematical Sciences, Vol. 6, 2012, no. 86, 4277 – 4281. ISSN:1312-885X(P), ISSN 1314-7552(E). impact factor:0.461

**DEPARTMENT: CA****National Seminar / Conference**

- **Dr Santanu Kumar Sen, Sharmistha Dey, Surojit Acharjee,** "A Survey on Cloud Computing Security Issues" published in national seminar on Security Aspects in Modern Communication System (NSSAMCS) -2013 held in March 5-6, 2013, organized by ECE Dept, GNIT

**DEPARTMENT: FMS****National Seminar / Conference**

- **Dr. Manjigtha Maitra,** Associate Professor, Is the Extraverted Young Indian Woman Ready to Take Control in the Workplace? A Study on Female Management Students in National Conference on Emerging Research Paradigms in Business Management, George College, Department of Management in Collaboration with School of Management and Sciences, West Bengal University of Technology, pp. 35

<b>2011-12</b>
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**DEPARTMENT: CSE****National Seminar / Conference**

- **Arnab Mitra, Santanu K. Sen :** "An Enhancement Of Bit Level Cryptography Over Modulo Arithmetic Technique (MAT)", UGC sponsored 2nd National Conference on Computers and Systems (NaCCS-2012), Paper Id- NaCCS - 2012 - 033 for NSG - CG (Network Security : Cryptography), held during 15-16 March 2012 at the University of Burdwan, West Bengal, pp 67-72 .
- **Arup Kumar Bhaumik , Santanu Kr. Sen. Ipsita Saha:** "Internetworking of Multiple LANs using Extended Proxy ARP Avoids Low-Level Security Threats", National Conference on Computing & Communication Systems (CoCoSys-12), held during 02-04 January, 2012, University Institute of Technology, The University of Burdwan, Burdwan.
- **Santanu Kr. Sen:** "Reduction of Dependency on Third Party Software Self Virus Detection", National Conference on Pervasive Computing and Communications 2012 (NCPCC-2012), held during 2-3 March 2012 at Budge Budge Institute of Technology, Kolkata.
- **Santanu Sen:** "Improved and Efficient Object Serialization in OOP", National Conference on Pervasive Computing and Communications 2012 (NCPCC-2012), held during 2-3 March 2012 at Budge Budge Institute of Technology, Kolkata.
- **Santanu Sen, Arnab Mitra, Baisakhi Das :** "Uniform Random Number Generators: Distinguishing the Quality of Randomization through Statistical Measurements", National Conference on Pervasive Computing and Communications 2012 (NCPCC-2012), held during 2-3 March 2012 at Budge Budge Institute of Technology, Kolkata.
- **Santanu Sen, Baisakhi Das :** "Implementation of Blind Watermarking Through Haar Wavelength Transformation", National Conference on Pervasive Computing and Communications 2012 (NCPCC-2012), held during 2-3 March 2012 at Budge Budge Institute of Technology, Kolkata.

- **Mr. Moley Dhar** : Image Parsing: An advance approach for image identification, NCCCS-2012.
- **Dr. Santanu K. Sen**, “S-ARP: A Secure and Efficient Address Resolution Protocol”, National Seminar on Mobile Communication 2011, held during July 2011 at Guru Nanak Institute of Technology, Sodepur, Kolkata-700 114.
- **Santanu K Sen, Baisakhi Das** : “Visible Digital Watermarking for Authentication And Change Detection in Images”, National Seminar on Mobile Communication 2011, held during July 2011 at Guru Nanak Institute of Technology, Sodepur, Kolkata-700 114.
- **Santanu K Sen, Arnab Mitra**, “A probabilistic approach for abused keyword filtration in text retrieval”, National Seminar on Mobile Communication 2011, held during July 2011 at Guru Nanak Institute of Technology, Sodepur, Kolkata-700 114
- **Santanu K Sen, Arnab Mitra**, “An ANN-based approach towards Anti-spam training in MTA”, National Seminar on Mobile Communication 2011, held during July 2011 at Guru Nanak Institute of Technology, Sodepur, Kolkata-700 114.
- **Santanu K Sen, Mr. Debasish Ghosh , Mr. Sandip Tigga, Mr. Sourav Ganguly**: “Loop free Scan Routing (LFSR) Avoids Count-To-Infinity Problem”, Proceedings of the Conference on Recent Trends in Emerging Technologies (RTET-2011), held at B.P. Podder Institute of Management & Technologies, Kolkata, on Nov 25, 2011, pp 6-10.
- **Santanu K Sen** : “Minimization of Latency-Requirement for different OLAP Operations”, National Seminar on Mobile Communication 2011, held during July 2011 at Guru Nanak Institute of Technology, Sodepur, Kolkata-700 114.
- **Mr Moley Dhar** : HMM based POS Tagger for Bengali language, National Seminar on Mobile Computing
- **Mr. Moley Dhar**: Semantic Image analysis based POS Tagger, National Seminar on Mobile Computing.
- **Mr. Moley Dhar**:” Semantic Image Analysis (SIM) based Image Parser”National Seminar on Mobile Communication-2011 (NSMC-2011), held at GNIT during 28-29 July 2011
- **Mr. Ankur Mondal**: Automatic Shape Independent Clustering Inspired by Ant Dynamics, National Seminar on Mobile Communication, July 28-29, 2011, GNIT.
- **Mr. Ankur Mondal** : Modified Bees Colony Optimization algorithm, National Seminar on Mobile Communication, July 28-29, 2011, GNIT
- **Mr. Partho Mallick, Mr. Arijit Dey, Mr. Dheeraj Mohanto, Mr. Indranil Ghosh, Mr. Pintu Lohar**: “Secured Address Resolution Protocol (SARP) Avoids ARP Cache Poisoning”, Proceedings of National Conference on Information Security Systems (ICISS 2011), held at School of Information Technology, Chennai during 16-17 December 2011.
- **Dr. Santanu Sen, Mr. Pintu Lohar, Mr. Rajib Bag, Mr. Dheeraj Mohanto** : “Enterprise Network Solution”, National Contest and Conference 20 Sept., 2011, organized by Computer Society of India, Kolkata Chapter in Sept 2011.

### **International Seminar / Conference**

- **Mr. Ankur Mondal** :Face Detection Using Skin Tone Segmentation, World Congress on Information and Communication Technologies (WICT 2011), Mumbai, 12 – 14 Dec., 2011 published by IEEE.
- **Mr. Debraj Roy** : DNA Sequence Alignment Engine: An AM-based design, Annual IEEE India Conference (INDICON 2011), 16-18 Dec., 2011 published in IEEE Explore.

- **Mr. Aritra Kundu** : A hybrid system for reducing the false alarm rate of anomaly intrusion detection system, Recent Advances in Information Technology (RAIT), 2012 1st International Conference, 15-17 March 2012, Page: 131 - 136, Print ISBN: 978-1-4577-0694-3.
- **Ms. Mandira Banik** : Modelling of Railway Network Using Petri Nets, World Comp 2011, Las Vegas, USA, July 18th-21<sup>st</sup> (2011)

## **DEPARTMENT: IT**

### **National Seminar / Conference**

- **Arnab Mitra, Baisakhi Das, Mainak Nandi, Sayeed Alam**; Skin color based image adultery filtration; National Seminar on Mobile Communication 2011(NSMC-2011)- Sponcerd by AICTE ;Kolkata; July 28-29, 2011; pp 64-68.
- **Chowdhury Md. Mizan, Santanu K Sen** : "Minimization of Latency-requirement for Different OLAP Operations", by, National Seminar on Mobile Communication 2011(NSMC-2011)- Sponsored by AICTE ;Kolkata; pp 119-124
- **Baisakhi Das, Santanu K Sen, Ravi Pandey, Rizwan Khan, Sanjeet Bahadura, Avishek Hazra, Shantanu Dutta, Md.Aoushaque Sahin**; Implementation of Blind Watermarking Through Haar Wavelet Transformation; National Conference on Pervasive Computing and Communication (NCPCC)-2012; Sponsored by Dept. of Science and Technology ; March 2-3, 2012, pp 74-78.
- **Apurba Chakroborty, Arnab Mitra, Debleena Srivastva, Baisakhi Das, Santanu K.Sen**; An enhancement of bit level cryptography over Modulo Arithmetic Technique (MAT); The Second National Conference on Computing and Systems (NaCCS) - 2012 sponsored by The UGC; The Burdawn University, Burdwan; March 15-16, 2012.
- **Arnab Mitra, Baisakhi Das, Debleena Srivastva, Apurba Chakroborty, Santanu K.Sen**; Uniform Random Number Generators: Distinguishing the Quality of Randomization Through Statistical Measurements; National Conference on Pervasive Computing and Communication (NCPCC)-2012-Sponsored by Dept. of Science and Technology, W.B. Govt; March 2-3, 2012; pp 47-51.

### **International Seminar / Conference**

- **Baisakhi Das, Gunjan Bhattacharya, Ilora Maity, Biplab K Sikdar**; Impact of Inaccurate Design of Branch Predictors on Processors' Power Consumption; 2011 IEEE Ninth International Conference on Dependable, Autonomic and Security Computing; Dec. 12-14, 2011; Sydney, Australia; pp 335-342.
- **Gunjan Bhattacharya, Ilora Maity, Baisakhi Das and Biplab K Sikdar**; Exploring Impact of Faults on Branch Predictors' Power for Diagnosis of Faulty Module; IEEE sponsored Asian Test Symposium 2011(ATS-2011); November 21-23, 2011 ; New Delhi, INDIA: pp 226-231.
- **Suparna Karmakar, Ranjan Dasgupta**: "A Petri Net representation of Web-service-based Emergency Management System in Railway station (Accepted Paper)", by, International conference on Computer science and information Technology (ICCSIT 2011)- : November 28-30; Venice, ITALY
- **Himansu Srivastava, Sudeep Ghosh, Vasudha Vashist, Jail break with dual booting of any slartphone using Linux**", by : International Conference on Computer Science and Engineering (ICCE2011)- 2nd -3rd October 2011 , Bhubaneswa.

- **Baisakhi Das, Mousumi Saha and Biplab K Sikdar** ; Evaluation of Branch Predictors Targeting Easeful Diagnosis of Design Inaccuracies; IEEE International Conference on Devices, Circuits and Systems – ICDCS 2012; Mar. 15-16 ,2012; Coimbatore, India;pp 230-234

## **DEPARTMENT: AEIE**

### **National Seminar / Conference**

- **Dibyendu Sur**"Multistation Characteristics of EIA and ESF using dual frequency GPS receivers in the lead up to the 24th solar maximum" at 17th National Space Science Symposium (sponsored by ISRO) on February 14-17, 2012 at SV University, Tirupati
- **Sudip K. Kuila and Balaji Raja**, on " Non-stationary Signal Analysis for MCSA using different techniques", NCPCC-2012, 2-3 March at BBIT
- **Dibyendu Sur**,"Wireless Communication of BRAILLE" ,National Conference on Mobile computing 2011, 28-29 July, 2011 held at Guru Nanak Institute of Technology.
- **Sudip Kuila, et al**, "ECG in mobile"; National Conference on Mobile computing 2011, 28-29 July, 2011.held at Guru Nanak Institute of Technology

### **International Seminar / Conference**

- **Jayita Datta**"ECG Signal Capturisation and Visual Detection Of Heart Abnormalities" presented at Pharmaceutica - 2012 in Sanfrancisco, USA during 20-22 Feb.,2012
- **Paramita Banerjee, Bharati Goswami, Ratna Ghosh**" Modelling of a sensor used for RFA based dental implant stability measurement" at International Conference on Informatics, Electronics & Vision (ICIEV'12) during May,2012
- **Prof. A.K. Ghoshal**,"Vacuum Technology in the study of Graphene", at International Symposium on Vacuum Science and Technology and to application for Accelerators (IVS-2012) held at VECC, BARC, Kolkata - 700064 (February 15-17, 2012)
- **Prof. A.K. Ghoshal**, "ZnO/Ti Thin Film: Synthesis, Characterization and Methane Gas Sensing Property" Presented at International Symposium on Vacuum Science and Technology and to application for Accelerators (IVS-2012) held at VECC, BARC, Kolkata - 700064 (February 15-17, 2012)
- **Adhish Kr. Chakraborty** "Robust Model Reference Adaptive Control of Linear Multivariable Plants- A New Approach" by Adhish Kr. Chakrabarty & Samar Bhattacharya, Proc.of International Conference on Electrical Engineering & Application, Chennai, December, 2011



**DEPARTMENT: FT****National Seminar / Conference**

- **Dr. Sunita Adhikari** : Abstract published on the topic of “Mathematical modeling for the rehydration kinetics of Un osmosed and Pre osmosed Carrot cubes” in the Seminar Proceedings of UGC sponsored National Seminar On Recent Trends in Research Of Nutrition Science on February(22-23)rd, 2012 organized by Department of Food & Nutrition, Barrackpore Rastraguru Surendranath College in collaboration with Department of Food & Nutrition,WBSU,West Bengal,India
- **Dr. Sunita Adhikari** : Abstract published on the topic of “Mathematical modeling for the rehydration of pre-osmosed and un-osmosed potato cubes” in the Seminar Proceedings of Prasanskaran, 3<sup>rd</sup> Industry Academia Conference, Dept. of Food Technology, Haldia Institute of Technology on 17<sup>th</sup> March ,2012.
- **Dr. Sunita Adhikari** :Poster presentation & Abstract Published at 24<sup>th</sup> February, 2012 at CHEMBRIDGE 2012, Chemical Engineering Department, Jadavpur University on “Mathematical modeling for the rehydration of pre-osmosed and un-osmosed carrot cubes”.
- **A.K Barman , Dr. K. Bandyopadhyay and Dr. C. Chakraborty.**; *“Production and Use of Healthy Appetizer with Sweet Potato Powder as Functional Ingredient of Vegetable Soup Preparation”*, UGC Sponsored National Seminar on Recent Trends in Research of Nutrition Science, organized by the Department of Food and Nutrition, Barrackpore Rastraguru Surendranath, February 22<sup>nd</sup>-23<sup>rd</sup> , 2012.
- **Dr. C. Chakraborty** : *“Comparative study of the quality characteristics of traditional and microwave processed Payas”* in the 19<sup>th</sup> West Bengal State Science & Technology Congress at Saha Institute of Nuclear Physics, March 1<sup>st</sup> -2<sup>nd</sup> , 2012.
- **Dr. C. Chakraborty, A.K Barman and Dr. K. Bandyopadhyay** : *“Production and Use of Sweet Potato Powder in Soup Preparation”*, in the 19<sup>th</sup> West Bengal State Science & Technology Congress at Saha Institute of Nuclear Physics, March 1<sup>st</sup> -2<sup>nd</sup> , 2012.
- **A.K. Barman , Dr. K. Bandyopadhyay and Dr. C. Chakraborty**; *Shelf-life evaluation of Whey Based Banana Herbal (Mentha arvensis) Beverage*, National Conference on Pervasive Computing and Communications 2012 at Budge Budge Institute of Technology, March 2<sup>nd</sup> – 3<sup>rd</sup> , 2012.
- **Dr. C. Chakraborty, A.K Barman and Dr. K. Bandyopadhyay**; *“Preparation and Characterization of Sweet Potato Powder Based Vegetable Soup”*, 3<sup>rd</sup> Industry Academia Conference on New Product Development: An Emerging Emphasis & Integral Part of Industrial Growth, organized by the Department of Food Technology, Haldia Institute of Technology, held on 17<sup>th</sup> march, 2012.
- **A.K. Barman , Dr. K. Bandyopadhyay and Dr.C. Chakraborty.**; *“Development of Fermented Food by the combination of Soymilk & Peanut Milk”*, in the 3<sup>rd</sup> Industry Academia Conference on New Product Development: An Emerging Emphasis & Integral Part of Industrial Growth, organized by the Department of Food Technology, Haldia Institute of Technology, held on 17<sup>th</sup> march, 2012.
- **A.K Barman , Dr. C. Chakraborty and Dr.K.Bandyopadhyay** : *“Microbiological quality of street-vended Indian chaats sold in Kolkata”*, in the 3<sup>rd</sup> Industry Academia Conference on New Product Development: An Emerging Emphasis & Integral Part of Industrial Growth, organized by the Department of Food Technology, Haldia Institute of Technology, held on 17<sup>th</sup> march, 2012.
- **Dr. Subhjit Ray and Dr. Anju Paul** : “Development on Carrot Powder Fortified Biscuit” in the UGC sponsored National Seminar on Recent Trends in Research of Nutrition Science going to be held on February 22<sup>nd</sup>&23<sup>rd</sup>,2012 Organized by Department of Food and Nutrition,Barrackpore Rastraguru Surendranath College,Barrackpore,kolkata,India

- **Dr. Subhajit Ray and Dr. Anju Paul** : “Production and Analysis of Herbal Ice Cream” in the UGC sponsored National Seminar on Recent Trends in Research of Nutrition Science held on February 22<sup>nd</sup>&23<sup>rd</sup>,2012 Organized by Department of Food and Nutrition,Barrackpore Rastraguru Surendranath College,Barrackpore,kolkata,India.
- **Dr. Subhajit Ray** : Abstract & Full Paper accepted on Electronic Nose-an Effective Tool in Monitoring and Control of Biomethanation Process in the National Conference on Pervasive Computing and Communications held on February 28<sup>th</sup>&29<sup>th</sup>-2012(NCPCC-012) organized by Budge Budge Institute of Technology ,Budge Budge, Kolkata, India
- **Dr. Anju Paul** : “Production of Herbal Ice lollies – A Health Food “ in the Seminar Proceedings of Industry Academia Conference on New Product Development : An Emerging Emphasis &Integral Part of Industrial Growth, organized by the Department of Food Technology, Haldia Institute of Technology, held on 17<sup>th</sup> march, 2012.
- **Kanawjia S. K., Khetra, Y. Giri, A. and Sanjeev Kumar** :Enhancement of health attributes in cheese and cheese like products using dairy and non-dairy functional ingredients. National Seminar on “Dairying in Eastern India: Challenges & Oppertunities”, organized by Indian Dairy Association (EZ) Bihar State Chapter,Patna on 15<sup>th</sup> – 16<sup>th</sup> April, 2012, Published in Souvenir, Page: 25-34.
- **Dr. K. Bandyopadhyay, Dr. C. Chakraborty and A.K. Barman** : “*Effect of Microwave Treatment on the Recovery of Protein from Indian Defatted Rice Bran ( Oryza Sativa) Meal,*” , Proceedings of National Seminar on Current Technological Challenges in Food Processing , Dept. of Food technology & Biochemical Engg. J.U. June 25-26, 2011
- **Dr. C. Chakraborty, Dr. K. Bandyopadhyay, and A.K. Barman** :“*Development and Storage Studies of Traditional Dessert Payas by the Application of Microwave Technology*”, National Seminar on Current Technological Challenges in Food Processing Specially Emphasizing Food Irradiation, Organized by the Dept. of Food Technology & Biochemical Engg., J.U. in collaboration with MOFPI, Govt. of India & Food Processing industries & Horticulture Dept. Govt. of West Bengal, June 25-26<sup>th</sup> , 2011.
- **Dr. Sunita Adhikari** : Attended & Delivered Lecture on *Bioremediation of Malathion* in the Faculty Summit-2011 held on 6<sup>th</sup>-8<sup>th</sup> July 2011 organized by GNIT.
- **A.K Barman , Dr. K. Bandyopadhyay and Dr. C. Chakraborty, Dr. Subhajit Ray** :*Physico-Chemical Analysis of a Fermented Food by the Combination of Soy-peanut milk*, National Seminar on Role of bioactive compounds in foods on human health , organized by Department of Food Engineering and Technology, School of Engineering, Tezpur University, Assam held on November 14-16<sup>th</sup>, 2011.
- **Dr. Subhajit Ray** : Attended & Delivered Lecture on *Lactic Beverages* in the Faculty Summit-2011 held on 6<sup>th</sup>-8<sup>th</sup> July 2011 organized by GNIT
- **Dr. Subhajit Ray** : Attended and Delivered Lecture in the Topic of “*Computer controlled Wine Production in an Ongoing Fermentation System-an Overview*” in the National Seminar on Mobile Communication-2011(NSMC-2011) held on 28<sup>th</sup> and 29<sup>th</sup> july-2011 Organized by Department of Electronics and Communication Engineering, Gurunanak Institute of Technology, Kolkata(Abstract and full paper published)

### National Journal

- **Dr. Sunita Adhikari** Paper published in the Journal Beverage & Food World (National) entitled Extraction of Lycopene from a Cheap Source and Study of the Effect of Storage at Refrigerated Condition in 2012, Vol.39(6), pp no. 40-41.
- **Dr. Sunita Adhikari** Paper published in the Journal Food & Beverage World (National) on “Production of Mixed Fruit Wine by Saccharomyces cerevisiae MTCC 178” in March 2012.
- **Dr. C. Chakraborty, Dr. K. Banyopadhyay, & A.K. Barman**: “Nutritional and Rheological Characterization of Potato Powder Based Indian Traditional Dairy Product: Kheer”, Wesleyan Journal of Research . 5(1): 42-49, 2012.

- **Debabrata Bera, Prof. Parimal Chattopadhyay, Prof. Lalitagauri Ray.** “Continuous removal of Chromium from tannery waste water using activated sludge process,- Determination of Kinetic Parameter” Indian Journal of Chemical Technology Vol. No.19(1),32,2012.
- **Dr. Subhajit Ray :** Research paper published on Optimization of process conditions for biosurfactant production from mutant strain of *Bacillus sp(m28)* in a 5l laboratory fermenter in Journal of microbiology and biotechnology research, ISSN 2221-3168, Coden (USA) JMBRB4, Vol.2,issue 3, 2012, pp.431-439.
- **Dr. Subhajit Ray :** Research paper published on Fermentative production of an alkaline extra cellular lipase using an isolated bacterial strain of *Serratia sp (C4)* in Journal of microbiology and biotechnology research, ISSN 2221-3168, Coden (USA) JMBRB4, Vol.2,issue4,2012,pp.545-557.
- **Dr. Subhajit Ray :** Research paper published on Studies on fluidized bed column reactor for the substrate conversion using immobilized extracellular alkaline lipase of isolated strain of *Serratia sp (C4)* in Journal of microbiology and biotechnology research, ISSN 2221-3168, Coden (USA) JMBRB4, Vol.2, issue4,2012,pp.538-544.
- **Mr. Bal Ambarushi Jadhav:** Effect of various drying techniques on loss of colour and vitamins in fenugreek leaves, Indian Food Packer, 66, 2: 63-65, 2012.
- **Mr. Bal Ambarushi Jadhav :** Studies on preparation and qualities of dietary fiber rich biscuit, Beverage and Food World, 39,9: 47-48.

### International Seminar / Conference

- **Dr. C. Chakraborty :** “Antioxidant level of different type of laboratory made Herbal Sandesh” in the International Conference on Functional Dairy Foods at Karnal, Haryana, November, 16<sup>th</sup>-19<sup>th</sup>, 2011

### International Journal

- **Dr.K. Bandyopadhyay, Amit kumar Barman :**Research paper published in *Wesleyan Journal of Research* entitled “Nutritional and Rheological Characterization of Potato Powder Based Indian Traditional Dairy Product: Kheer”, 5 (1): 42-49, 2012. ISSN: 0975-1386.
- **Prof. Parimal Chattopadhyay :** “Continuous removal of Malathion by immobilized biomass of *Bacillus species S14* using packed bed column reactor” in Journal of Chemical Speciations and Bioavailability (International) 2012, Vol.24(3),pp no.167-175.
- **Prof. Parimal Chattopadhyay :**“Application of principle component analysis (PCA) as a sensory assessment tool for fermented food products” Journal of Food Science & Technology (Springer) 49(3),328,2012.
- **Dr. Subhajit Ray :**Research paper published on Production of biosurfactant using an isolated bacterial strain of *Bacillus sp (m28)* in Journal of microbiology and biotechnology research, ISSN 2221-3168, Coden (USA) JMBRB4, Vol.2, issue 3, 2012, pp.402-415.
- **Dr. Subhajit Ray :** Research paper published on Optimization of process conditions for biosurfactant production from mutant strain of *Bacillus sp(m28)* in a 5l laboratory Fermenter in Journal of microbiology and biotechnology research, ISSN 2221-3168, Coden (USA) JMBRB4, Vol.2,issue 3, 2012, pp.431-439.

- **Dr. Subhajit Ray** : Research paper published on Fermentative production of an alkaline extra cellular lipase using an isolated bacterial strain of *Serratia* sp (C<sub>4</sub>) in Journal of microbiology and biotechnology research, ISSN 2221-3168, Coden (USA) JMBRB4, Vol.2, issue4, 2012, pp.545-557 .
- **Dr. Subhajit Ray** : Research paper published on Studies on fluidized bed column reactor for the substrate conversion using immobilized extracellular alkaline lipase of isolated strain of *Serratia* sp (C<sub>4</sub>) in Journal of microbiology and biotechnology research, ISSN 2221-3168, Coden (USA) JMBRB4, Vol.2, issue4, 2012, pp.538-544.
- **Debasree Ghosh, Prof. Parimal Chattopadhyay**. “Application of principle component analysis (PCA) as a sensory assessment tool for fermented food products” Journal of Food Science & Technology (Springer) 49(3), 328, 2012
- **Dr.K. Bandyopadhyay, Dr.C. Chakraborty and Amit kumar Barman** : Effect of Microwave and Enzymatic Treatment on the Recovery of Protein from Indian Defatted Rice bran Meal, J. Oleo Science, Japan, 61(10), 2012.
- **Dr. Sunita Adhikari** : Continuous removal of Malathion by immobilized biomass of *Bacillus* species S<sub>14</sub> using packed bed column reactor in 2012, Journal of Chemical Speciations and Bioavailability Vol.24(3), pp no.167-175
- **Dr. Sunita Adhikari** : Paper published in the Journal of Chemical Speciations and Bioavailability entitled **Continuous removal of Malathion by immobilized biomass of Bacillus species S<sub>14</sub> using packed bed column reactor** in 2012, Vol.24(3), pp no.167-175.
- **Debasree Ghosh, Prof. Parimal Chattopadhyay**. “Survival of Pro-biotic Microorganisma for Improvement of Nutritional Quality of Ice Cream” Indian Chemical Engineer, 2012, 1-13.
- **Makhal, S., Kanawjia, S. K. and Giri, A.** :Effectiveness of thymol in extending keeping quality of cottage cheese. Journal of Food Science and Technology. DOI 10.1007/s13197-012-0715-y (NASS rating – 6.8; **Impact Factor** - 0.498).
- **Giri, A., Rao, H. G. R. and Ramesh, V.** :Effect of incorporating whey protein concentrate into stevia-sweetened Kulfi on physicochemical and sensory properties. International Journal of Dairy Technology. doi: 10.1111/1471-0307.12005 (NASS rating – 7.3; **Impact Factor** – 1.107).
- **Giri, A., Rao, H. G. R. and Ramesh, V.** :Effect of partial replacement of sugar with stevia on the quality of kulfi. Journal of Food Science and Technology. JFST-D-10-DOI 10.1007/s13197-012-0655-6 [National Academy of Agricultural Sciences (NASS) rating – 6.8; **Impact Factor** - 0.498].

## DEPARTMENT: EE

### National Seminar / Conference

- **Sisir Mazumder, Shymal Kumar Roy** “Design & Analysis of Microprocessor based chopper based speed control of DC motor using PW Technique” at Inter College Seminar at PCMT, KOLKATA, held during 17-18 Aug, 2011.
- **Sisir Mazumder, Susovan Dutta, S. Ray**, “Framework to Design a 100 VA Transformer using C Program”, at Inter College Seminar at PCMT, KOLKATA, held during 17-18 Aug, 2011

### International Journal

- **Dr Shyamal Kr Ghosh** “Modeling and Analysis of Fibre Optics using Resonator Performance as Temp sensor, Sensor and Transducer Journal”, IFSA, Barcelona.2011.IMPACT FACTOR: 0.705
- **S. Bhattacharya, Pabal Deb, Sujit K. Biswas, Suparna kar Choudhury**, “Comprehensive study of control techniques on four switch converter” , International Journal of science and Technology, December, 2011. IMPACT FACTOR: 1.65

### DEPARTMENT: ECE

### National Seminar / Conference

- **Dr Annapurna Das, Dr. Sisir Kumar Das, Avali Ghosh, Aditi Mandal**, “Analysis and Measurements of Crosstalk in High Speed and High Frequency Printed Circuit Boards” National Conference on Pervasive Computing And Communications-2012.
- **Dr. Annapurna Das, Dr. Sisir Kumar Das, Avali Ghosh, Aditi Mandal, Anurima Majumdar, Antara Ghosal**“Analysis of Feeding Techniques of Rectangular Microstrip Antenna” National Conference on Pervasive Computing And Communications-2012
- **Arun Komar Mondal**, “Optimization of Transmission Range for MIMO Ad hoc Network in Fading Environment” NCPCC-2012,National Conference.
- **Koushik Pal**, “A Novel Digital Image Watermarking Scheme for Data Security using Bit Replacement and Majority Algorithm Technique” UGC Sponsored National Symposium on Emerging Trends in Computer Science- ETCS ,pp. 57-60, 2012.
- **Koushik Pal**, “A Novel Biomedical Image Watermarking for Data Integrity using Multiple Copies of Hidden Information by DWT and Bit Majority Algorithm” National Conference on Pervasive Computing & Communications- NCPCC ,pp. 125-130, 2012.
- **Koushik Pal**, “Relevance of Bio-Medical Image Watermarking for Data Authentication and Security in Telemedicine and Healthcare” National Conference on Pervasive Computing & Communications- NCPCC ,pp. 131-135, 2012
- **Dipasri Das**, “FPGA Based Implementation of MPPT of Solar Cell” National Conference on Computing and Communication Systems (NCCCS-2012), IEEE, 21-22nd November 2012

### International Seminar / Conference

- **Dr. Annapurna Das, Dr. Sisir Kumar Das, Avali Ghosh, Aditi Mandal, Antara Ghosal, Anurima Majumdar** “Feeding techniques of rectangular microstrip antenna” ICSPCC-2012 and IEEE explore.
- **Koushik Pal**, “Biomedical Image Watermarking for Content Protection using Multiple Copies of Information and Bit Majority Algorithm in Wavelet Domain” IEEE Conference On Electrical, Electronics And Computer Sciences- IEEE SCEECS ,pp. 1-6, 2012.

- **Koushik Pal**, “Retrieval of Hidden Infected Region using Biomedical Image Watermarking for Tele-diagnosis to Ensure Better Treatment” IEEE 5th International Conference on Computers and Devices for Communication-CODEC ,pp. 1-4, 2012

### International Journal

- **Arun Kumar Mondal** “Investigation of packet transmission strategies of MIMO equipped Mobile adhoc network using space-time coding” International Journal of Engineering Inventions Vol. 1, Issue 7, ISSN 2278-7461 ,pp. 29-35,October 2012
- **Koushik Pal**, “Biomedical Image Watermarking in Wavelet Domain for Data Integrity using Bit Majority and Multiple Copies of Hidden Information” American Journal of Biomedical Engineering (AJBE)”, p-ISSN: 2163-1050, e-ISSN: 2163-1077 from Scientific & Academic Publishing, USA, Volume-2, Number-2, pp. 29-37,2012.
- **Koushik Pal**, “A Comparative Study between LSB and Modified Bit Replacement (MBR) Watermarking Technique in Spatial Domain for Biomedical Image Security” International Journal of Computer Applications and Technology (IJCAT)”, ISSN: 2278-8298 from Association of Technology and Science, Volume-1, Issue-1, pp. 30-39,2012.
- **Koushik Pal**, “Biomedical Image Watermarking for Medical Data Security Using Modified Bit Replacement Algorithm in Spatial Domain” International Journal of Applied Engineering (IJAE) ISSN: 20104391 from Eureka Press, Singapore, Volume-2, Issue-3, pp.158-169,2012.
- **Koushik Pal**, “Reversible Digital Image Watermarking using Bit Replacement and Majority Algorithm Technique” Journal of Intelligent Learning Systems and Applications (JILSA), ISSN Print: 2150-8402, ISSN Online: 2150-8410 from Scientific Research Incorporation group, USA, Volume-4, Number-3, pp.199-206,2012

### DEPARTMENT: ASH

### National Seminar / Conference

- **Dr. Indrajit Bose:** Teachers as Innovators: Developing Listening & Speaking Materials for the Indian Learner Jan 2012 in English Language Education in India: Theory & Practice at CELS, University of Hyderabad, Hyderabad.
- **Mr. Shantanu Chakraborty:** Communication Skills in A One Day Communication and Interpersonal Skills Workshop for Teachers held at Vivekananda Academy, Betai, Nadia.
- **Mr. Shantanu Chakraborty :** Communication Skills in Communication and Soft Skills Workshop held at GNIT, Sodepur
- **Dr. Soma Mukherjee, Mr. Bijay Krishna Chaudhuri, Mr. Hironobu Sakata and Ms. Moriaki Wakaki:** Anomalous electronic transport in diamond-like-carbon films of different thickness:: J. Mats. Scie & Engg. B 1 (2011) 649-656
- **Mr. H.Dasgupta , Ms. Sucharita Chakrabarti :** m-Dense Sets and Agreement of Mappings in Spaces with Minimal Structures, Rev. Bull. Cal. Math. Soc., 19, (1) 111-114 (2011).

### National Journal

- **Mr. H.Dasgupta , Ms. Sucharita Chakrabarti** : m-Dense Sets and Agreement of Mappings in Spaces with Minimal Structures, Rev. Bull. Cal. Math. Soc., 19, (1) 111-114 (2011).

### International Journal

- **Dr. Soma Mukherjee, Mr. Bijay Krishna Chaudhuri, Mr. Hironobu Sakata and Ms.Moriaki Wakaki** :Anomalous electronic transport in diamond-like-carbon films of different thickness:: J. Mats. Scie & Engg. B 1 (2011) 649-656.ISSN:0921-5107, impact factor:1.884
- **Ms. Sucharita Chakraborti** :“On m-Baire Spaces”, Vol. 6, 2011, no. 2, 95 – 101 in International Mathematical Forum. ISSN:1312-7594, impact factor:0.323

### DEPARTMENT: FMS

#### National Journal

- **Dr. Manjigtha Maitra**, Associate Professor, “Is the Extraverted Young Indian Woman Ready to Take Control in the Workplace?” Kindle Journal of NHRD Kolkata Chapter, Vol. 2, No.02, pp.27

#### International Seminar / Conference

- **Dr. Rajdeep Bakshi**, Professor and HOD, “Brand Valuation Essentials”, “Wiley Encyclopedia of Management” in 2011.
- **Dr. Rajdeep Bakshi**, Professor and HOD, “Improving Business At Retail Market Of X Bearings- A Qualitative Study”, “Gurukul Business Review (GBR)” in 2011

**2010-11**

### DEPARTMENT: CSE

#### National Seminar / Conference

- **Dr. Santanu K. Sen** : “A Low-cost Multimedia Projector using Scan Method and Chip Laser Diode”, National Conference on Emerging trends and advances in Electrical Engineering and Renewable Energy (NCEEERE 2010), Sikkim Manipal Institute of Technology, Sikkim, held during 22 – 24 December 2010
- **Prof. Arup Kumar Bhaumik, Mr. Ankur Mondal, Mr. Sandip Tigga, Mr. Avijit Kundu, Mr. Debashis Ghosh**: “An Efficient Routing Algorithm for MANET using Restricted Flooding”, National Conference on Emerging Trends in Information Technology (NCTIT -10), Gandhi Institute of Engineering & Technology, held during 01-02 November 2010.
- **Dr. Santanu K. Sen** : “A Self-Checking Circuit for Concurrent Checking by 1-out-of-4 code with Design Optimization using Constraint Don’t Cares”, National Conference on Emerging trends and advances in Electrical Engineering and Renewable Energy (NCEEERE 2010), Sikkim Manipal Institute of Technology, Sikkim, held during 22 – 24 December, 2010.

- **Mr. Ankur Mondal** : “Modified Routing Information Protocol (MRIP) Eludes CTI Problem”, 16<sup>th</sup> International Conference on Computer Networks and Mobile Computing (ICCNMC), Singapore organized by World Academy of Science, Engineering and Technology, Singapore held during 26-28 August 2010.
- **Ankur Mondal**, Automatic Shape Independent Clustering Inspired by Ant Dynamics, National Seminar on Mobile Computing
- **Mr. Ankur Mondal** : Modified Bees Colony Optimization algorithm, National Seminar on Mobile Computing.
- **Mr. Santanu Halder, Mr. Subhrajit Sinha Roy, Dr. Santanu K. Sen** : “An Optimized Concurrent Self-Checker using Constraint-Don’t Cares and 1-out-of-4 Code”, National Conference (AECDISC-2010) in Asansol Engineering College, held during 1-2 August 2010.
- **Mr. Moloy Dhar** : “Semantic Analysis based POS tagger used for Image Detection”, National Conference on Signal Processing and Communication Systems, held at ANU College of Engineering and Technology, Guntur, Andhra Pradesh, held during 1-2 April 2011.
- **Mr. Kallol Bera, Mr. Pintu Lohar ,Mr. F. Ali Ahmed, Mr. Manoj Pandit** : “ An Efficient DVR-based Routing Algorithm”, Seminar on Recent Trends in Emerging Technologies (RTET-2011), held at B.P. Podder Institute of Management & Technologies, Kolkata, on Feb 25, 2011.

### International Seminar / Conference

- **Mr. Amit Paul, Mr. Arijit Dey, Mr. Indranil Ghosh, Mr. Sougata Sarkar** : “Modified Routing Information Protocol (MRIP) Eludes CTI Problem”, 16<sup>th</sup> International Conference on Computer Networks and Mobile Computing (ICCNMC), Singapore organized by World Academy of Science, Engineering and Technology, Singapore held during 26-28 August 2010.
- **Mr. Moloy Dhar , Mr. Monoj Pandit** : “Semantic Image Analysis for Identifying Human Image”, International Conference of Visual Communication and Image Processing (VCIP)”, Sanghai, China, 11-14 July, 2010.
- **Dr. Santanu Sen, Mr. Subhrajit Sinha Roy** : “A Low-cost Multimedia Projector using Scan Method and Chip Laser Diode”, National Conference on Emerging trends and advances in Electrical Engineering and Renewable Energy (NCEEERE 2010), Sikkim Manipal Institute of Technology, Sikkim, held during 22 – 24 December 2010.

### International Journal

- **Mr. Santanu Halder**, Face Synthesis (FASY) System for Determining the Characteristics of a Face Image, National Seminar on Recent Advances on Information Technology (RAIT-2010), International Journal of Recent Trends in Engineering. Impact factor: 0.76
- **Mr. Santanu Halder** FPGA Based Assembling of Facial Components for Human Face Construction, Soft Computing - A Fusion of Foundations, Methodologies and Applications, Springer. Impact factor: 0.76
- **Mr. Santanu Halder** , Construction of Human Faces from Textual Descriptions, Soft Computing - A Fusion of Foundations, Methodologies and Applications, Springer
- **Aritra Kundu**, “Full Communication in a Wireless Sensor Network by Merging Blocks of a Key Pre-distribution using Reed Solomon Code”, International Journal of Network security & It’s Application, Feb-2011. impact factor:1.0



**DEPARTMENT: IT****International Seminar / Conference**

- **Karabi Konar, B.L. Darshan** "Design space exploration of analog integrated circuit" International Conference on Modelling, optimization and computing, NIT Durgapur (Held on 28-30 October, 2010) AIP conference proceedings, 12999, p(380- 385).
- **Anirban Kundu, Chandan Banerjee, Sutirtha Kr. Guha, Arnab Mitra, Souvik Chakraborty, Chiranjit Pal, Rahul Roy**; Memory Utilization in Cloud Computing using Transparency; The 5th International IEEE Conference on Computer Sciences and Convergence Information Technology (ICCIT 2010); Seoul, S. Korea; November 30 – December 2, 2010; pp. 22-27
- **Anirban Kundu, Sutirtha Guha, Arnab Mitra, Tapas Mukherjee**; A New Approach in Dynamic Prediction for User based Web Page Crawling; The International ACM Conference on Management of Emergent Digital EcoSystems (MEDES 2010); Bangkok, Thailand; October 26-29, 2010; pp. 166-173

**International Journal**

- **Anirban Kundu, Sutirtha Guha, Arnab Mitra**; Dynamic Web-page Ranking of Search Engine using Importance Increasing Factors (submitted for the International Journal of Intelligent Information and Database Systems (IJIIDS), Inderscience Publishers).

**DEPARTMENT: AEIE****National Seminar / Conference**

- **Prof. A.K. Ghoshal**, "Mathematical Modelling for the Biocorrosion Pattern of Retrieval 316 L Stainless Steel Orthopaedic Implants" presented at XII Annual Conference of West Bengal Sports Medicine (Medicon 2011) held at Jadavpur University (January 9, 2011)

**International Seminar / Conference**

- **Paramita Banerjee** "Determination of stability of dental implant from impedance studies using resonance frequency analysis " by Paramita Banerjee, et al, Proc. of International Conference on emerging application of information technology (EAIT 2011), Science city, Kolkata, India, Feb. 18-20, 2011. (Organised by Computer Society of India, Kolkata Chapter, Kolkata.)
- **Dibyendu Sur, Nantu Das, M. Mitra, J.N. Bera**, "Recent Advances on Mathematics, Technology & Management", 21st & 22nd March' 3rd International Conference, 2011 at Bengal institute of technology & management on "Interfacing a Multimedia Memory Card with a Microcontroller using SPI mode".
- **Adhish Kr. Chakraborty & Samar Bhattacharya**, Robust Model Reference Adaptive Controller for Single Variable Nonlinear Plants ", Proc. of International Conference on Power, Control and Embedded Systems (IEEE conference), Allahabad, India, 28 Nov- 2 Dec, 2010. (Organised by Motilal Nehru National Institute of Technology in collaboration with Queen's University, Canada).

## International Journal

- **Dibyendu Sur, Nantu Das, M. Mitra, J.N. Bera**, International Journal BITM Transaction on EECC, ISSN No-0974-9527, Vol-2 on "Interfacing a Multimedia Memory Card with a Microcontroller using SPI mode".

## DEPARTMENT: FT

### National Seminar / Conference

- **Dr. Chaitali Chakraborty** "Comparison on Textural and Antimicrobial Activity of Different types of Laboratory made and Marker Herbal Sandesh" in the National Dairy Industry Conference at EZCC, Saltlake, held on 4-6<sup>th</sup> February, 2011.
- **Dr.K. Bandyopadhyay, Dr.C. Chakraborty and A.K. Barman** : "Production and use of potato powder in Indian Traditional Sweets", in the National Seminar on Recent Advances in the Development of Fermented Foods at the Centre of Food Science & Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, April 8-9, 2011.
- **Dr.S.Adhikari, Dr.C. Chakraborty and A.K. Barman** : "Studies on the Development of a Fermented Food by the combination of soymilk & Peanut milk", in the National Seminar on Recent Advances in the Development of Fermented Foods, at the Centre of Food Science and Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, April 8-9, 2011.
- **Dr.C. Chakraborty Dr.K. Bandyopadhyay, and A.K. Barman** : "Application of Microwave Technology for process optimization of traditional dessert Payas", in the National Seminar on Recent Advances in the Development of Fermented Foods, at the Centre of Food Science and Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, April 8-9<sup>th</sup> , 2011.
- **Dr.C. Chakraborty, Dr.K. Bandyopadhyay** : "Studies on The Rheological Properties of Potato Kheer", in the Dairy Industry Conference at the Eastern Zonal Cultural Centre, Salt Lake City, Kolkata, 4-6<sup>th</sup> February, 2011.
- **A.K. Barman** : "Nanotechnology :An emerging tool for proving Quality Food Products" **National Seminar on Advancement of Food Technology: Role of Nanotechnology and Biochemical Engineering**, sponsored by the AICTE at the Department of Food Technology, Haldia Institute of Technology, West Bengal, May 5-6, 2011.
- **A.K. Barman** : "Principle and Applications of Biosensor used in Dairy and Food Industry" held on 5-6<sup>th</sup> May 2011, in the **National Seminar** on Advancement in Food Technology: Role of Nanotechnology and Biochemical Engineering, at the Department of Food Technology, Haldia Institute of Technology, Haldia.
- **A.K. Barman** :Fermented Dairy Products as Nutraceuticals, **National Seminar on Recent Advances in the Development of Fermented Foods at the Centre of Food Science & Technology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi**, April 8-9, 2011.
- **Dr.C. Chakraborty** : "Bio-Preservatives and its Application in Dairy Industry" in the National Conference on New Horizons in Bio-Processing of Foods, organized by Department of Food Engineering and Technology, Sant Longowal institute of Engineering & Technology, Longowal, Punjab, held on 25-26<sup>th</sup>, February, 2011.
- **A.K Barman , Dr.K. Bandyopadhyay and Dr.C. Chakraborty** : "Development & Storage Studies of Whey Based Banana Herbal (Mentha arvensis) Beverage", in the National Seminar on Advancement of Food Technology: Role of Nanotechnology and Biochemical Engineering, sponsored by the AICTE at the Department of Food Technology, Haldia Institute of Technology, West Bengal, May 5-6<sup>th</sup> , 2011.

- **Dr. Subhajit Ray , Dr. A.Pal** : Abstract published on the topic of “Making of chocolate with milk and Milk Based Product” in the Seminar Proceedings in the Dairy Industry Conference organized by Indian Dairy Association (East Zone) at EZCC, Salt Lake, February, 2011.
- **Dr.A.Pal** : “**Chocolate- A Delicious Food**” Organized by the Dept. of Food Technology & Biochemical Engg., J.U. in collaboration with MOFPI, Govt. of India & Food Processing industries & Horticulture Dept. Govt. of West Bengal, June 25-26, 2011.
- **Dr Subhajit Ray** Attended and Delivered Lecture on the Topic of “Biotechnological Application of Lactic Acid Bacteria For The development Of Value Added Milk Beverages” in Seminar cum Talk Show on Frontiers Of Biochemical Engineering And Biotechnology In Value Addition Of Traditional Sweetmeat And Beverages With Nutraceutical Promising For Better Business Opportunity organized by Department Of Food Technology And Biochemical Engineering J.U at 16<sup>th</sup> March 2011(Abtract and full paper published)
- **Dr Subhajit Ray** : Abstract published on the Topic of “Preparation of Kinema Powder and Its utilization In Biscuit Making” in the Seminar Proceedings in the National Seminar in Recent Advances In The Development Of Fermented Foods Organized by CFST under Institute of Agricultural Science , BHU On 8<sup>th</sup>& 9<sup>th</sup> April 2011
- **Dr Subhajit Ray** : Attended and Delivered Lecture in the Topic of “Fermentative Production of Bacterial Biosurfactant by using a 5 lit. EYELA Laboratory scale Fermenter” in the National Seminar on Advancement in Food Technology: Role of Nanotechnology and Biochemical Engineering(NBEFT-2011) held on 5<sup>th</sup> and 6<sup>th</sup> May2011 Organized by Department of Food Technology,Haldia Institute of Technology, Haldia(Abtract Published)
- **Dr Subhajit Ray** attended and Presented Poster in the Topic of “Nanocomposites in Food Packaging-A Novel Approach” in the National Seminar on Advancement in Food Technology: Role of Nanotechnology and Biochemical Engineering(NBEFT-2011) held on 5<sup>th</sup> and 6<sup>th</sup> May2011 Organized by Department of Food Technology, Haldia Institute of Technology, Haldia(Abtract Published)
- **Dr Subhajit Ray** : Attended & Delivered Lecture in the Topic of “Efficacy of Hurdle Technology as a Novel Food Preservation Technique in Context to Microbial Safety & Stability” in National Seminar On Current Technological Challenges in Food Processing Especially Emphasizing Food Irradiation held on 25<sup>th</sup> & 26<sup>th</sup> June 2011 Organized by Department of Food Technology & Biochemical Engineering, Jadavpur University,Kolkata-700032(Abtract& Full Paper Published)

### National Journal

- **Debasree Ghosh, Prof.Parimal Chattopadhyay** : “Preparation of idli batter, its properties and nutritional improvement during fermentation” Journal of Food Science & Technology (Springer) 48(5),610,2011.
- **Dr.Sunita Adhikari, Prof. Parimal Chattopadhyay, Prof.Lalitagauri Ray** : “Bioremediation of Malathion from environment by a isolated Bacillus sp.S<sub>14</sub> “ Indian Chemical Engineer,2011, Vol.53 (2), 68-83.
- **Dr. C. Chakraborty** : Research Paper published in Jr. of Dairy Food International entitled “Studies on the quality and shelf life of microwave processed diabetic Payas”, 1(1) 87-90, 2011.

### International Seminar / Conference

- **Dr. Subhajit Ray** : Abstract accepted and permitted to publish about the Topic of “Preparation of Fortified Soymilk from Soybean for Better Nutrition and Human Benefits” in International Workshop on ROOTS Sustainable Agriculture: Traditional Indigenous Knowledge Systems and Food Security held on 3<sup>rd</sup> to 5<sup>th</sup> May 2011 organized by Chandragupta Institute of Management Patna, Bihar, India in association with UNESCO

## International Journal

- **Dr. Subhajit Roy** : Research paper published on Studies on the Process Development for the Fermentative Production of Wine from Grape Juice Concentrate in Internet Journal of Food Safety, ISSN 1930-0670, Vol.13, 2011, p.367-373
- **Dr. Subhajit Roy** : Research paper published on Development of a Process for the Extraction of Pectin from Citrus Fruit Wastes viz. Lime peel, Spent guava extract, Apple pomace etc.in Internet Journal of Food Safety, ISSN 1930-0670, Vol.13, 2011, p.391-397.
- **Prof.Parimal Chattopadhyay**: “Preparation of idli batter, its properties and nutritional improvement during fermentation” Journal of Food Science & Technology (Springer) 48(5),610,2011.
- **Prof.Parimal Chattopadhyay, Dr. Sunita Adhikari**: “Bioremediation of Malathion from environment by a isolated Bacillus sp.S14”.Journal Indian Chemical Engineer 2011, Vol.53 (2), 68-83.
- **Dr.C. Chakraborty**: Research Paper published entitled “Studies on the quality and shelf life of microwave processed diabetic Payas” in the Jr. of Dairy Food International , 1(1): 87-90, 2011.
- **Dr. Anindita Karmakar**: Climate change: Environment congenial bio diesel production from crude neem oil, **Advances in Environmental Chemistry, 2011.**
- **Makhal, S., Giri, A. and Kanawjia, S. K.** : Effect of  $\kappa$ -carrageenan and tetrasodium pyrophosphate on the yield of direct acidified cottage cheese. Journal of Food Science and Technology. DOI 10.1007/s13197-011-0438-5 (NASS rating – 6.8; *Impact Factor* - 0.498).

### DEPARTMENT: EE

#### National Seminar / Conference

- **S. Dutta, K. Meenalochani, N. Saha, S. Majumder**, “ Design & Analysis and optimal tuning of a practical modified PID controller, for a third order system using MATLAB based simulation”, National conference at BIET, SURI, during 5-6 February,2011
- **Pabal Deb, Sisir Majumder, Dipak Thakur, Akash Deb**, “Analysis and Design of a practical DC Servo Motor-Based Automatic Sun Tracking System”, in the 2<sup>nd</sup> National Conference on Engineering Education in the New Century, held at Supreme Knowledge Foundation, Hoogly, during 20-21 January 2011
- **S. Bhattacharyya, P. Deb**, “Modulation of control strategies of PWM converters”, in the National Conference on Recent Development in electrical engineering (NCRDEE -2011), at Jalpaiguri Govt. Engg. College, West Bengal, held during 9-10 June 2011
- **Sisir Mazumder, Susovan Dutta**, “Design of a Solar Water for savings on Domestic LPG for Cooking”, in the National Conference on Recent Development in electrical engineering (NCRDEE -2011), at Jalpaiguri Govt. Engg. College, West Bengal, held during 9-10 June 2011
- **S. Ray, K. Meenalochi**, “An Explorative Study on the IT Tools and Techniques for improving organizational performance, managerial effectiveness and efficiency through knowledge management processes”, National Conference on Recent Advances in Electronics, Electrical and Instrumentation Gadgets, at George Institute of Technology, held during 2-3 January 2011

### National Journal

- **Nitushree Saha**, “Schottky Junction methane sensor using electrochemically grown nano crystalline nanoporous zinc oxide thin films”, Journal of Sensor, 2010.

### DEPARTMENT: ECE

#### National Seminar / Conference

- **Dr Annapurna Das, Dr. Sisir Kumar Das, Avali Ghosh, Aditi Mandal**, “Analysis and Measurements of EMC and SI in High Speed and High Frequency Printed Circuit Boards” AICTE sponsored National Seminar on Mobile Communication-2011
- **Dr Annapurna Das, Dr. Sisir Kumar Das, Avali Ghosh, Aditi Mandal**, “Studies of Mobile Handset Antennas” AICTE sponsored National Seminar on Mobile Communication-2011
- **Dr. Alok Kumar Das, Arun Komar Mondal** “Multi path Routing in Mobile Ad Hoc Network and an approach to Mesh Network” All India Seminar on Wireless Networks and Social Developments, January, 2010, IETE, Kolkata.
- **Arun Komar Mondal** “Implementing New Technologies in Mobile Ad-Hoc Network (MANET)” National Conference on ‘Advancement in Information, Communication and Technology’. NCAICT paper Id: P\_NCAICT2011\_024. 2011

#### International Seminar / Conference

- Arun Komar Mondal, “Multi path Routing in Mobile Ad Hoc Network and an approach to Mesh Network” International Joint conference on Information and Communication Technology (JcICT) Interscience Institution of Management and Technology Bhubaneshar, 2010
- Arun Komar Mondal “Optimization of Transmission Range for MIMO Ad hoc Network in Fading Environment” 1st International Conference on Communication and Industrial Applications (ICCIA-2011) IEEE conference id:19700, Paper Id:158.
- Arun Komar Mondal “MIMO Ad-Hoc Networks-Mutual Information and Channel capacity”, International conference COSIT 2011, Part1, CCIS 131, Springer-Verlag Berlin Heidelberg,. pp 225-235
- **Soma Manna**, “Super High Speed Hybrid Technology Challenges For Smart Solution In Spectral-Efficient High Data-Rate Wireless Networks” Wireless And Optical Communications Networks (WOCN), 2010 Seventh International Conference, pp. 1-5, 6-8 Sept. 2010

#### International Journal

- **Arun Komar Mondal** “Implementation of MIMO-OFDM system in Mobile AD-Hoc Networks”, International Journal of Engineering Research and Applications (IJERA) Vol. 1, Issue 3, pp. 753-757, 2011.

- **Arun Komar Mondal** “Fading Analysis Of Mimo Based Mobile Adhoc Networks” International Journal of Distributed and Parallel systems (**IJDPS**), Vol.2, No.4, pp. 35-41, July 2011
- **Suparna Biswas** “Background Modeling and Implementation using Discrete Wavelet Transform”, ICGST International Journal on Graphics, Vision and Image Processing, GVIP, March, 2011, Vol. 11
- **Koushik Pal**, “Contour Detection and Recovery through Bio-Medical Watermarking for Tele-diagnosis”, International Journal of Tomography & Statistics (IJTS), ISSN: 0972-9976, Volume- 14, Number-S10, pp-109-119, 2010

## **DEPARTMENT: ASH**

### **National Seminar / Conference**

- **Dr. Indrajit Bose**: “From Pedagogue to Reflective Teacher: Insights into Teaching Practicum in an ESP Context, workshop for tertiary level teachers at the seminar “ESP and the Workplace” at the Institute of English, Kolkata in September, 2010.
- **Dr. Indrajit Bose** : “Reading Better, Learning Better: Developing Reading Skills, workshop for primary and secondary school teachers at TESOL seminar, American TESOL Institute, Kolkata in August, 2010.
- **Dr. Indrajit Bose** : Interconnecting British & American Modernism February 2011 in Reconfiguring Modernism in the American Context at Jadavpur University Society of American Studies, JU, Kolkata.
- **Mr. Shantanu Chakraborty**: Participated in Infosys Campus Connect Soft Skills Workshop at Infosys, Bhubaneswar.

### **National Journal**

- **Ms. Sucharita Chakrabarti, Mr. Saibal Ranjan Ghosh and Mr. H. Dasgupta**: “Point wise quasicontinuity and Baire Space”, Journal for Mechanics and Continua and Mathematical Sciences, vol.4, no.2, 2010, pp.459-471.
- **Mr. Saibal Ranjan Ghosh, Ms. Sucharita Chakrabarti and Ms. H. Dasgupta**: A Note Concerning the Invariance of Baire Spaces under Mappings”, Bulletin of Pure & Applied Mathematics, vol.4. no.1, 2010, pp.152-156. ISSN:0019-5588.

### **International Seminar / Conference**

- **Dr. Soma Mukherjee, Mr. B. K. Chaudhuri, Mr. H. Sakata and Mr. M. Wakaki** : Anomalous electronic transport in nanodiamond like carbon films : “International Conference on Quantum Effect on Solids of Today (ICONQUEST-2010), Dec 20-23, 2010, held at National Physical Laboratory (NPL) , New Delhi, India.
- **Ms. Sucharita Chakrabarti and Mr. H. Dasgupta** : “Study of Baire Spaces in Minimal Structures”, International conference on recent Developments in Mathematical Sciences and their Applications (ICRDMSA 2010) held during December 9-11, 2010, Calcutta Mathematical Society, Kolkata.
- **Ms. Sucharita Bhattacharyya and Mr. Anup kr. Thander** : Compact Fourth –Order Finite Difference Method for Optical Wave-Guide’, International Conference on Convergence of Optics with Electronics held during (26-27) th March, 2011 at Science City, organized by Calcutta University and JIS College of Engg., sponsored by SPIE, USA. ISBN:978-81-906401-1-4

### International Journal

- **Dr. Soma Mukherjee, Mr. B. K. Chaudhuri, Mr. C.C. Chou, Mr. H. D. Yang, Mr. H. Sakata, Mr. M. Wakaki** : Thickness dependent metal-insulator transition in diamond-like-carbon films of different thickness: Bulletin of the American Physical Society, Vol 55, No. 2 2010.ISSN: 0003-0503
- **Mr. D. Maity, Mr. A. D. Jana, Mr. M. Debnath, Mr. N.G. R. Hearn, Mr. M. H. Sie, Mr. H.M. Lee, Mr. R. Clérac and Mr. M. Ali** : “A  $\mu_3$ -alkoxo-bridged tetra nuclear  $[\text{Cu}_4\text{L}_2]$  copper(II) complex of a novel hexadentate  $\text{N}_2\text{O}_4$  donor ligand with a [6+0]  $\text{Cu}_4\text{O}_4$  cubane core: Synthesis, crystal structure and magnetic studies”. Eur. J. Inorg. Chem. 2010, 3484–3490. Impact factor: 3.12
- **Mr. Daipayan Dutta, Mr. Atish D. Jana, Mr. Mainak Debnath, Mr. Golam Mostafa, Mr. Rodolphe Clérac, Mr. Javier G. Tojal, and Mr. Mahammad Ali** :“Design of novel tri-substituted dodecatungstosilicate from a trilacunar silicotungstate by manganese ions of  $[\text{Mn}_3(\mu_3\text{-O})(2\text{-Cl-benzoato})_6(\text{py})_3]$ : synthesis, structure, redox and magnetic studies.” Eur. J. Inorg. Chem. 35, 2010, 5517-5522. Impact factor: 3.12
- **Mr. Daipayan Dutta, Mr. Atish D. Jana, Mr. Mainak Debnath, Mr. Asim Bhowmik, Mr. Jaromir Marek, Mr. Mahammad Ali** : “Robust 1D open rack-like architecture in coordination polymers of Anderson POMs  $[\{\text{Na}_4(\text{H}_2\text{O})_{14}\}\{\text{Cu}(\text{gly})\}_2][\text{TeMo}_6\text{O}_{24}]$  and  $[\{\text{Cu}(\text{en})_2\}_3\{\text{TeW}_6\text{O}_{24}\}]$ : synthesis, characterization and heterogeneous catalytic epoxidation of olefins.”. Dalton Trans. 39, 2010, 11551-11559.

### DEPARTMENT: CA

#### National Seminar / Conference

- **Dipankar Chatterjee**, "A Co-operative Black Hole Node Detection in MANET", in the national conference NCEC-2010, 24-25 September, 2010, Bellary, Karnataka.

#### International Seminar / Conference

- **Animesh Kar, Deboprasad Mondal**, "Online Customer Reviews Analysis and Opinion Strength Measurement: A Fuzzy Approach". In IEEE 5th International Conference on Computer Sciences and Convergence Information Technology (ICCIT 2010), Seoul, Korea. Nov 30-Dec 2, 2010.

#### International Journal

- **Animesh Kar, Deboprasad Mondal**, "Finding Opinion Strength Using Fuzzy Logic on Web Reviews" published in International Journal of Engineering and Industries (IJEI, ISSN: 2093-5641), Vol-2, No-1, pp 37-43, March 2011. impact factor: 1.0

### DEPARTMENT: FMS

#### National Journal

- **Dr. Rajdeep Bakshi**, Prof. &HOD, “Optimal Level Product availability and Pricing for Retailer in Supply Chain of Seasonal Items With Stochastic Demand Including the Mixture of Backorder and Lost Sales”, “Perspectives in Management (Journal of Heritage Institute of Management” in 2010.

## 2009-2010

### DEPARTMENT: CSE

#### National Seminar / Conference

- **Dr. Santanu K. Sen, Avijit Kundu** : “Semantic Analysis of Video Image Using Adaptive Dual Cross Diamond Hexagon Search”, National Conference on Ubiquitous Computing (NCUBQT-2009), during 22-23 September 2009 at Guru Nanak Institute of Technology, Sodepur, Kolkata-700 114
- **Dr. Santanu K. Sen, Baisakhi Chatterjee** : “Digital Watermarking Using Discrete Wavelet Transform”, National Conference on Ubiquitous Computing (NCUBQT-2009), during 22-23 September 2009 at Guru Nanak Institute of Technology, Sodepur, Kolkata-700 114
- **Dr. Santanu K. Sen** , : “An Investigation Towards Performance Analysis of Some MAC Protocols”, National Conference on Ubiquitous Computing (NCUBQT-2009), during 22-23 September 2009 at Guru Nanak Institute of Technology, Sodepur, Kolkata-700 114.
- **Dr. Santanu K. Sen**: “An Efficient Route Discovery Protocol for Routing in MANET”, National Conference on Ubiquitous Computing (NCUBQT-2009), during 22-23 September 2009 at Guru Nanak Institute of Technology, Sodepur, Kolkata-700 114.
- **Avijit Kundu**, “Semantic Analysis of Video Image Using Adaptive Dual Cross Diamond Hexagon Search”, National Conference on Ubiquitous Computing (NCUBQT-2009), during 22-23 September 2009 at Guru Nanak Institute of Technology, Sodepur, Kolkata-700 114

#### International Seminar / Conference

- **Mr. F. Ali Ahmed** :“Semantic Image Analysis for Identifying Human Image”, International Conference of Visual Communication and Image Processing (VCIP)”, Sanghai, China, 11-14 June, 2010.
- **Santanu K. Sen**, “Modified Routing Information Protocol (MRIP) Eludes CTI Problem”, 15th International Conference on Computer Networks and Mobile Computing (ICCNMC), (Journal) Singapore organized by World Academy of Science, Engineering and Technology, Singapore to be held at during 26-28 August 2009
- **Mr. Amit Paul**, Sample Selection of Microarray data using Rough-Fuzzy based Approach, World congress on nature and biological inspired Computing (NABIC 09), Coimbatore India

### DEPARTMENT: IT

#### International Journal

- **Anirban Kundu, Sutirtha Guha, Arnab Mitra**; Dynamic Web-page Ranking of Search Engine using Importance Increasing Factors(submitted for the International Journal of Intelligent Information and Database Systems (IJIIDS), Inderscience Publishers).



**DEPARTMENT: AEIE****National Seminar / Conference**

- **Adhish Kr. Chakrabarty & Samar Bhattacharya** "A Model Reference Adaptive Controller for a Single Input-Single Output Linear Time-varying Plant " Proc.of National Conference on Ubiquitous Computing, Kolkata, India, 22-23 September, 2009. (Organised by Guru Nanak Institute of Technology).

**National Journal**

- **Adhish Kr. Chakrabarty** , "Adaptive Control of a Plant with Time-varying Structured Uncertainties - A New Approach" by Adhish Kr. Chakrabarty, & Samar Bhattacharya, Journal of IE (India), vol. 90, pp.3-7, March 2010.

**DEPARTMENT: FT****National Seminar / Conference**

- **Dr.C. Chakrabarty**."Antioxidant activity of different types of laboratory made Herbal Sandesh", in the 17<sup>th</sup> State Science & Technology Congress held at West Bengal University of Animal and Fishery Sciences, Belgachia, Kolkata, on 4<sup>th</sup> - 5<sup>th</sup> March, 2010.
- **Dr.A. Pal, Dr.Sunita Adhikari** :Oral Presentation in Seminar on Food Adulteration & Food safety on 15.01.2010.at Science Fair organized by Acharya Satyendra Basu Smarak Bijnan o Prajukti Mela Committee.

**International Journal**

- **Dr.Sunita Adhikari, Prof.Parimal Chattopadhyay, Prof.Lalitagauri Ray** : "*Biosorption of Malathion by Dry cells of a isolated Bacillus sp.S14*". Journal of Chemical Speciations and Bioavailability 22(3), 207-213, 2010.
- **Dr.Sunita Adhikari, Prof.Parimal Chattopadhyay, Prof.Lalitagauri Ray** : "*Biosorption of Malathion by Immobilized cells of a isolated Bacillus sp.S14*" ..Journal of Chemical Speciations and Bioavailability 22(4), 271-276, 2010.
- **Dr.A. Pal** : Heavy metal contamination in fruits and vegetables in two districts of West Bengal..India.E.J. Env. Agr. Food Chem . ISSN:1579-4377. 2010.
- **Dr.Sunita Adhikari**, Paper (Review) published at Research Journal of Environmental Toxicology (International) entitled **Bioremediation of Malathion from environment for Pollution Control** in June 2010.Vol No.4(3),147-150.
- **Dr. Anindita Karmakar** :Properties of various plants and animal feed stocks for bio diesel production, **Bioresource Technology (Elsevier), 101: 7201-7210, 2010.**

- **Debasree Ghosh, Prof.Lalitagauri Ray, Prof.Parimal Chattopadhyay.** “*Nutraceutical potential of cow milk and soymilk curd*”. Journal of Indian Chemical Engg.(Taylor & Francis) 52(4),336,2010.

### **DEPARTMENT: EE**

#### **National Seminar / Conference**

- **Nitusree saha,** Schottky junction methane sensor using electrochemically grown nanocrystalline nanoporous zinc oxide thin films, Journal of Sensor,2009
- **Rituparna Mukherjee,** *A neuro-fuzzy hybrid control technique for control of tank level n in a lubricant processing plant*, IET National Conference, 2009

### **DEPARTMENT: ECE**

#### **National Seminar / Conference**

- **Dr. Arun Kr. Mondal** “Improving Security in Multipath Routing for Mobile Ad Hoc Networks” Silver Jubilee Conference on Communication Technology (Commv-2009)
- **Dr. Arun Kr. Mondal** “Secure Multipath Routing in Mobile Ad Hoc Network” Proceedings of National conference on Ubiquitous Computing-2009

### **DEPARTMENT: ASH**

#### **National Seminar / Conference**

- **Dr. Arun Kr. Mondal** “Secure Multipath Routing in Mobile Ad Hoc Network” Proceedings of National conference on Ubiquitous Computing-2009
- **A.K.Dey, K.Biswas:** Dry Sliding wear of Zirconia toughened alumina with different metal oxide additives Ceramics International, 35 (3), 2009, 997-1002.

#### **International Seminar / Conference**

- **A.K.Dey, K.Biswas:** Dry Sliding wear of Zirconia toughened alumina with different metal oxide additives Ceramics International, 35 (3), 2009, 997-1002.
- **Soma Mukherjee, B. K. Chaudhuri, C. C. Chou, H. D. Yang, H. Sakata and M. Wakaki** Thickness dependent metal insulator transition in diamond-like-carbon films of different thickness: “APS March Meeting 2010, March 15-19, 2010, held at Portland, Oregon, USA.”

**DEPARTMENT: FMS****National Seminar / Conference**

- **Dr. Rajdeep Bakshi, Prof. &HOD**, “Perspectives on Brand Valuation”, “Perspectives in Management The Journal of Heritage Institute of Management”, in July 2009.

**National Journal**

- **Dr. Rajdeep Bakshi, Prof. &HOD**, “An Analysis of the Market Position of Various Landline Service Providers in Kolkata using Perceptual Mapping Approach”, “Journal of SIES College of Management Mumbai” in Jan 2009.

<b>2008-2009</b>
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**DEPARTMENT: CSE****National Seminar / Conference**

- **Santanu K. Sen, S. Sinha Roy**, “A Self-Checking Circuit for Concurrent Checking by 1-out-of-4 code with Design Optimization using Constraint Don’t Cares”, National Conference on Emerging trends and advances in Electrical Engineering and Renewable Energy (NCEEERE 2008), Sikkim Manipal Institute of Technology, Sikkim, held during 22 – 24 December, 2008
- **Dr. Santanu K. Sen** : “Internetworking of Multiple LANs using Extended Proxy ARP Avoids Low-Level Security Threats”, National Conference on Computing & Communication Systems (CoCoSys-09), held during 02-04 January, 2009, University Institute of Technology, The University of Burdwan.
- **Santanu K. Sen, S. Sinha Roy, S. Haldar**, “A Low-cost Multimedia Projector using Scan Method and Chip Laser Diode”, National Conference on Emerging trends and advances in Electrical Engineering and Renewable Energy (NCEEERE 2008), Sikkim Manipal Institute of Technology, Sikkim, held during 22 – 24 December 2008
- **Santanu K. Sen, S. Maiti**, “An Efficient Routing Algorithm for MANET using Restricted Flooding”, National Conference on Emerging Trends in Information Technology (NCTIT -08), Gandhi Institute of Engineering & Technology, held during 01-02 November 2008
- **Santanu K. Sen, S. Sinha Roy**, “An Optimized Concurrent Self-Checker using Constraint-Don’t Cares and 1-out-of-4 Code”, National Conference (AECDISC-2008) in Asansol Engineering College, held during 1-2 August 2008

**National Journal**

- **Santanu K. Sen, S. K. Ray**, “Fast Convergent Distance Vector Routing avoids CTI”

### International Seminar / Conference

- **Mr. Santanu Halder**, Face Synthesis System for Generation of a Face Image from Human Description, 2008 IEEE Region 10 Colloquium and the Third International Conference on Industrial and Information Systems (ICIIS)

### DEPARTMENT: ECE

### National Seminar / Conference

- **Dr. Arun Kr. Mondal** “The Success of Data Transmission in Multipath Routing for MANET” National Conference on Mobile and Pervasive Computing (CoMPC-2008)

### DEPARTMENT: EE

### National Seminar / Conference

- **Nitusree saha**, *Nanoporous Zinc oxide thin films deposited by electrochemical anodization: effect of uv Sensor Letters* Vol:6, 1-7,2008
- **Nitusree saha**, *the superior performance of the electrochemically grown zinc oxide thin films as methane sensor Sens. Actuator B:Chem*(2008)

### DEPARTMENT: AEIE

### International Seminar / Conference

- **Adhish Kr. Chakraborty & Samar Bhattacharya**, "A Model Reference Adaptive Controller for Linear Time-Varying Multivariable Plant - A New Approach" Proc. Of International Conference & exhibition on Aerospace Engineering, Bengaluru, 18-22 May, 2009, held at IISc, Bangalore.

### DEPARTMENT: ASH

### National Seminar / Conference

- **Listening Effectively: Self-Reflexive Strategies for ESL Learners**—1 hr workshop conducted for secondary and tertiary-level teachers at 2nd National and 6th Vidarbha Regional ELTAI Conference held at Nagpur, 10-11th January,2009

### National Journal

- **Sobha Chattopadhyay:** “Bound to Ixion’s Wheel: The Fate of the Eurasian in Conrad and Maugham,” *The Many Worlds of Twentieth Century Literature*, ed. (Jadavpur University, 2008): 35-44.
- **Bijali Bhattacharya, Shamima Sultana and Suryendu Chakraborty :** “Bridging the Gap: Choosing Culture-Specific ESL Materials.” *Inside Teaching: Options for Language Teachers*. Ed.. (Krishnagar Women’s College, December 2008): 35-43.

## **DEPARTMENT: FMS**

### **National Seminar / Conference**

- **Dr. Rajdeep Bakshi, Prof. & HOD,** “The Utility of the Applications of Valuation Methods in Indian Companies”, “Pacific Business Review, Udaipur”. in March 2009
- **Dr. Rajdeep Bakshi, Prof. & HOD,** “The Contributors of Brand Health: A Study”, “Journal of Institute of Technology and Management, Warrangal” in June 2009.

### **National Journal**

- **Dr. Rajdeep Bakshi, Prof. & HOD,** “An Analysis of the Market Position of Various Landline Service Providers in Kolkata using Perceptual Mapping Approach”, “Journal of SIES College of Management Mumbai” in Jan 2009.

**2007-2008**

## **DEPARTMENT: AEIE**

### **International Seminar / Conference**

- **Adhish Kr. Chakraborty & Samar Bhattacharya,** “A Model Reference Adaptive Controller for Linear scalar plant with Time- Varying structured uncertainty” *Proc. Of International Conference on Power System Application and Control. PSACO-2008, 13-15 March, 2008, Andhra University, Vishakhapatnam*

## **DEPARTMENT: FT**

### **International Seminar / Conference**

- **Dr.K. Bandyopadhyay,** Preparation and Characterisation of Protein Hydrolysates from Indian Defatted Rice Bran Meal, *J. Oleo Science, Japan, 57, 47-52 (2008).*
- **Dr.C. Chakraborty,** “Development and quality evaluation of Herbal Sandesh” in the International Conference on Traditional Dairy Foods at Karnal, Haryana, held on 14-17 November, 2007.
- **Dr.S. Adhikari,** “ Abstract published in seminar proceedings and Poster presented at International Conference at NIST-Trivandrum in November 2007 on Bioremediation of Malathion by isolated strain of Bacillus sp.S<sub>14</sub>

**2006-2007**

**DEPARTMENT: CSE**

**National Seminar / Conference**

- **Santanu K. Sen**, “Internetworking of Multiple LANs using Extended Proxy ARP”, Proceedings of the National Conference on Recent Trends in Information Systems (ReTIS) 2006, organized by IEEE Calcutta Section, held at Jadavpur University Kolkata, during July 14-15, 2006, pp 113-116
- **Santanu K. Sen, Arun Kr. Mandol**, “Multi Protocol Label Switching Quality of Service in MANET”, Proceedings of the National Conference on Recent Trends in Information Systems (ReTIS) 2006, organized by IEEE Calcutta Section, held at Jadavpur University Kolkata, during July 14-15, 2006, pp 117-120
- **Santanu K. Sen, S. K. Ray, P. Ghosh**, “Modified Distance Vector Routing in MANET”, Proceedings of the 13th National Conference on Communications (NCC 2007), held at IIT Kanpur, Jan. 26-28, 2007, pp 197-202.

**International Seminar / Conference**

- **Santanu K. Sen**, “Modified Address Resolution Protocol that Avoids ARP Vulnerabilities”, International Conference (PICA 2006), Karnataka, during July 12-14, 2006
- **Santanu K. Sen**, “Secured Address Resolution Protocol (SARP) Avoids ARP Cache Poisoning”, Proceedings of 1st International Conference on Information Security Systems (ICISS 2005), held at School of Information Technology, Chennai during 16-17 December 2006.

**DEPARTMENT: FT**

**National Seminar / Conference**

- Prof.S.P. Sarkar,; Prof.P. Maiti,; M. Mandal and **Dr.C.Chakraborty**, (2007). *Adoption of standard packaging materials and techniques in the dairy industry*. Indian Dairyman. 59(4): 45-48.
- Prof.S.P. Sarkar,; M. Mandal and **Dr.C.Chakraborty**, (2007). *Beneficial effects of probiotics used as food*. Beverage & Food World. 34 (7): 40-42
- **Dr. Subhajit Ray** Paper Presented on *Microbial Enzyme Production, Purification & Immobilization* in QIP sponsored by AICTE & organized by Department of Pharmaceutical Science and Technology, BIT Mesra on June 2007.
- **Dr.C. Chakraborty** (2006) Studies on the quality and shelf-life of microwave processed diabetic Payas”, in the Dairy Industry Conference at Swabhumi, Kolkata, held on 23-25 November, 2006.

**DEPARTMENT: ECE****National Seminar / Conference**

- **Dr. Arun Kr. Mondal** “Multiprotocol Level Switching Quality of Service in MANET” National Conference on Recent Trends in Information System -ReTIS 06, J.U &IEEE Kolkata Section July, 2006.
- **Dr. Arun Kr. Mondal** “A Set of Optimal Paths Selection for Multipath Routing In Wireless Ad Hoc Network” National Conference on Device, Intelligent System and Communication Networking

**International Seminar / Conference**

- **Dr. Arun Kr. Mondal** “MACA-RO: A Reduced Overhead MACA Protocol for Multi Hop Wireless Ad Hoc Network” International Conference on Computer and Devices for Communication – CODEC 2006

**DEPARTMENT: ASH****International Seminar / Conference**

- “On Alien Shores”: Migrancy and its Aftermath in Jamaica Kincaid’s Narratives.” Studies in American Literature, Vol. 4 (2006): 51-8.
- “Designing the Lesson: Using Teaching Resources in the Language Classroom. Paper presented in the international symposium, “Towards Improvements in English Language and Literature Teaching: Communicating across the Curriculum,” at DAV College, Chandigarh, between 22nd and 24th September.
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<b>2005-2006</b>
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**DEPARTMENT: CSE****National Seminar / Conference / Journal**

- **Santanu K. Sen**, “Loop free Scan Routing (LFSR) Avoids Count-To-Infinity Problem”, Proceedings of the Conference on Recent Trends in Emerging Technologies (RTET-2006), held at B.P. Podder Institute of Management & Technologies, Kolkata, on Feb 25, 2006, pp 6-10
- **Santanu K. Sen**, “Aliphatic Distance Vector Routing (ADVR) Eludes Routing-Loops”, Proceedings of the National Conference on Soft Computing Techniques for Engineering (SCT-2006), held at NIT, Rourkela, Orissa, during March 24-26 2006, pp 52-59
- **Santanu K. Sen**, “Security Threats in Address Resolution Protocol and their Remedies”, Proceedings of the National Conference on Ubiquitous Computing (NCUC 2006), held at NMAM Institute of Technology, Nitte, Karnataka, during February 23-24, 2006, pp 49-53

- **Santanu K. Sen, S. K. Ray, P. Ghosh**, "Modified BGP Has Faster Convergence", Proceedings of the 12th National Conference on Communications (NCC 2006), held at IIT Delhi, during January 27-29, 2006, pp 145-150

### **International Seminar / Conference**

- **Santanu K. Sen**, "Modified Address Resolution Protocol that Avoids ARP Vulnerabilities", 1st International Conference on Information Security Systems (ICISS 2005) held at School of Information Technology, Chennai.

### **DEPARTMENT: FT**

#### **National Seminar / Conference**

- **Pal. A., Prof.L. Ray,& Prof.P. Chattopadhyay**, (2006) Purification and Immobilization of an *Aspergillus terreus* Xylanase : Use of Continuous Fluidized Bed Column Reactor. *Ind. J. Biotechnol*, 5, 163-168

#### **International Seminar / Conference**

- **Dr.K. Bandyopadhyay**, Extraction of Protein from Microwave and Enzymatically Treated Rice Bran Meal, **26<sup>th</sup> World Congress and Exhibition of The International Society for Fat Research, Hilton Prague, Czech Republic**, September 25-28, 2005
- **Dr.K. Bandyopadhyay** Preparation and Characterization of Enzyme-modified Rice bran Protein Isolate, **60<sup>th</sup> Annual Convention of OTAI and International Seminar**, held at Indian Institute of Chemical Technology (IICT), Hyderabad, December 2-3,2005.

### **DEPARTMENT: ASH**

#### **National Seminar / Conference**

- **Soma Mukherjee, S. Karmakar, B. K. Chaudhuri and H. Sakata** :Low Temperature Metallic Behavior of Amorphous  $\text{MoO}_3\text{-TeO}_2$  Thin Films :: *J. Appl. Phys.*97 (2005) 123707
- **Soma Mukherjee and B. K. Chaudhuri**: Anomaly in the transport and dielectric properties of some CCTO-type materials : in "50<sup>th</sup> DAE-Solid State Physics Symposium, 5-9<sup>th</sup> Dec 2005, BARC and TIFR, Mumbai, India.

#### **International Seminar / Conference**

- **Soma Mukherjee, H. Sakata and B. K. Chaudhuri** :Metal-Insulator Transition in the Vacuum deposited Amorphous  $\text{MoO}_3\text{-TeO}_2$  Films : *Chinese J. of Phys* 43(3) (2005) 736



**2004-2005**

**DEPARTMENT: CSE**

**National Seminar / Conference**

- **Santanu K. Sen, S. Deb Roy**, “Enterprise Network Solution”, National Contest and Conference 2002, organized by Computer Society of India, Kolkata Chapter in Sept 2004.

**National Journal**

- **Santanu K. Sen** , “Operating System Independent Remote Operation and Control of Machines in Ethernet LAN”, FOSET Journal 2004, Kolkata.

**DEPARTMENT: AEIE**

**International Seminar / Conference**

- **Jayita Datta, M.Mitra, S.Sengupta**, “ Second Harmonic Injection in an Adjustable Frequency Inverter (AFI) Fed AC Variable Speed Drive (VSD)” in The International Conference on Energy, Information Technology & Power Sector “PEITSICON-2005”, organised by The IEE (UK), Calcutta Branch, Jadavpur University and others on 28-29 January, 2005.

**DEPARTMENT: FT**

**National Seminar / Conference**

- **Dr.K. Bandyopadhyay**: Effect of Soyabean Oil and Soy Lecithin on Cellular Fatty Acid Profile of Pseudomonas sp., J. Oil Technologists’ Association of India ,37 (2005).
- **Dr.S.Adhikari, Prof.P.Chattopadhyay, Prof.L.Ray** Seminar paper at National Conference organized by Dept. of Botany, Visva- Bharati, Santiniketan on Degradation of Malathion by a isolated Bacterial Strain in 17-19<sup>th</sup> Feb, 2005

**DEPARTMENT: ASH**

**National Seminar / Conference**

- **Soma Mukherjee and B. K. Chaudhuri** :Transport and dielectric properties of  $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$  type giant dielectric constant materials: in Condensed Matter Days- 2003, 27-29 Aug. 2004, Dept. of Phys. Jadavpur University, Kolkata, India”

- **Soma Mukherjee, Pradip Jana, Sudipta Pal and B. K. Chaudhuri** :Giant Dielectric constant observed in  $K_xTi_yNi_{1-x-y}O_8$  ( $x=0.06-0.03$ ,  $y=0.02$ ) : in "Condensed Matter Days- 2004, 27-29 Aug. 2004, Dept. of Phys. NEHU, Shillong, India"
- **Soma Mukherjee, H. Sakata and B. K. Chaudhuri** :Transport properties of DLC films showing thickness dependent metal insulator transition : communicated to "47<sup>th</sup> DAE-Solid State Physics Symposium to be held on 26-30<sup>th</sup> Dec 2004, Punjab University, Amritsar, India".
- **Pradip Jana, Sudipta Pal, S. Mukherjee, S. S. Bhattacharya, B. K. Chaudhuri, H.D.Yang** Giant dielectric constant observed in  $K_xTi_yNi_{1-x-y}O_8$  ( $x=0.06-0.03$ ,  $y=0.02$ ) : communicated to "47<sup>th</sup> DAE-Solid State Physics Symposium to be held on 26-30<sup>th</sup> Dec 2004, Punjab University, Amritsar, India.
- "Approaches to the American Short Story: Poe's "The Fall of the House of Usher" and Steinbeck's "The Chrysanthemums". English Study Centre Newsletter.(March 2005):18-22

### International Seminar / Conference

- Transformation of  $T_C$  superconducting phase in  $Bi_{2-x}Pb_xSr_2Ca_2Cu_{3-y}A_yO_8$  ( $A = K, Na$  ;  $x = 0.1-0.3$  ;  $y = 0.1-0.3$ ) to the ferroelectric phase by K and Na doping : **Soma Mukherjee, S. Mollah, H. D. Yang and B. K. Chaudhuri** in "2004 Taiwan International Conference on Superconductivity and the 7<sup>th</sup> Workshop on Low temperature Physics, July 5-9, 2004, Penghu, Taiwan"
- Metal-Insulator Transition in the Vacuum deposited Amorphous  $MoO_3$ - $TeO_2$  Films : **Soma Mukherjee, H. Sakata and B. K. Chaudhuri** in "2004 Taiwan International Conference on Superconductivity and the 7<sup>th</sup> Workshop on Low temperature Physics, July 5-9, 2004, Penghu, Taiwan"

**2003-2004**

### DEPARTMENT: CSE

### National Seminar / Conference

- **Santanu K. Sen, S. K. Ray, Saurav Poiria**, "Modified DVR (MDVR) Avoids Count-to- Infinity problem", Proceedings of the National Conference InfoQuest 2004, held at Asansol Engineering College, Asansol, during February 16-17, 2004, pp 23-28.

### National Journal

- **Santanu K. Sen, Dr. M. K. Chakraborty**, "Bounded Compression on Image Compression and intelligent segmentation", RPS 2004, February 6-8, 2004 under AICTE Research Promotion Scheme.
- **Santanu K. Sen, Dr. M. K. Chakraborty**, "Development of a Network Traffic Scheduling Algorithm for Packet Switched Networks using artificial intelligence", RPS 2004, February 6-8, 2004 under AICTE Research Promotion Scheme.

### International Seminar / Conference

- **Santanu Sen, S. K. Ray, Saurav Poiria**, "Modified Distance Vector Routing Avoid Count-to-Infinity problem", Proceedings of the International Conference on Communication, Devices and Intelligent Systems (CODIS 2004) held at Park Hotel, Kolkata, during January 8-10, 2004, pp 31-34

**DEPARTMENT: AEIE****National Seminar / Conference**

- **S.Sengupta, M.Mitra, S.Mitra, J.Datta:**“ Power Quality Assessment of an Electric Power System by Harmonic Phasors” at 11th State Science & Technology Congress on 28-29th February, 2004.

**International Seminar / Conference**

- **M.Mitra, S.Sengupta, J.Datta** :“ MCSA through its Fourier’s Spectra to Detect Wide Range Voltage Fluctuations at the terminals of a Rotating Machine” in The International Conference on “Communication ,Devices and Intelligent systems ( CODIS) 2004 organised by Department of ETCE, Jadavpur University on 8-10 January, 2004.

**DEPARTMENT: FT****National Seminar / Conference**

- **Dr.K. Bandyopadhyay** and S. Ghosh, Preparation and Characterization of Papain-Modified Mustard (*Brassica juncea* L.) Protein Isolates, *Brassica*, 5, 68-72 (2003).
- **Dr.K. Bandyopadhyay** Protein Extraction from Microwave Treated Rice Bran Meal, **58<sup>th</sup> Annual Conference of OTAI**, Nov. 21-23, 2003.
- **Dr.K. Bandyopadhyay** Effects of Some Non-Triglyceride Components on GLA Productivity by *Rhizopus nigricans*, **58<sup>th</sup> Annual Conference of OTAI**, Nov. 21-23, 2003.
- **Dr.K. Bandyopadhyay** Preparation of Dietary Fiber form Deoiled Rice Bran Meal, **58<sup>th</sup> Annual Conference of OTAI**, Nov. 21-23, 2003

**International Seminar / Conference**

- **Dr.K. Bandyopadhyay** and S. Ghosh Preparation and Characterization of Papain Modified Sesame (*Sesamum indicum* L.) Protein Isolates, *J. Agric. Food Chem., USA*, 50, 6854-6857 (2003).
- **Dr.K. Bandyopadhyay** and S. Ghosh Effects of Mineral Addition on the Production of  $\gamma$ -Linolenic Acid by *Rhizopus nigricans*, *J. Oleo Science, Japan*, 52, 215-219 (2003).

**DEPARTMENT: ASH****National Seminar / Conference**

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