

Research Directory

Faculty, GNIT

Summary of Publications

Dept	National Journal	National Seminar/Conference	International Journal	International Seminar/Conference	Total
CSE	0	0	15	2	17
ECE	0	0	13	4	17
EE	0	0	7	0	7
IT	0	0	7	5	12
FT	6	8	17	1	32
AEIE	0	0	2	5	7
ASH	3	3	2	4	12
CA	0	0	9	1	10
	9	11	72	22	114

Publications Details

2015-16

DEPARTMENT: CSE

International Seminar / Conference

- **Mrs. Srabani Kundu:** “Low latency event boundary detection in wireless sensor networks “In Proceedings of Ninth IEEE International Conference on Advanced Networks and Telecommunication Systems (ANTS) Sponsored by IEEE Communications Society,2015(15TH Dec,2015-18th Dec,2015)
- **Ipsita Saha:** “Adoption of Enterprise System in the SME Sector of India-A Conceptual Study” published in International conference on E-Business and Supply Chain Management, February, 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

- **Bidyutmala 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” published in Computer International Research Journal of Engineering and Technology, March,2016

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 – 3361 May 4-6, 2016. Trichy, Chennai.
- **Chowdhury Md Mizan, Sreya Bhattacharya “NEXT GENERATION SEQUENCING TECHNO LOG Y”** 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 21st -22nd 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 12th 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 7th All India Inter College Academic Meet-2016 & Innovative model competition for a sustainable society, organized by FOSET, held on 13th 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 7th All India Inter College Academic Meet-2016 & Innovative model competition for a sustainable society, organized by FOSET, held on 13th 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 7th All India Inter College Academic Meet-2016 & Innovative model competition for a sustainable society, organized by FOSET, held on 13th 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 7th All India Inter College Academic Meet-2016 & Innovative model competition for a sustainable society, organized by FOSET, held on 13th March, 2016, at Kolkata, W.B.

- Sreyasi Deb and **Dr.Anju Paul**, "**Energy Drinks**" Full paper published in the seminar proceedings of 7th All India Inter College Academic Meet-2016 & Innovative model competition for a sustainable society, organized by FOSET, held on 13th 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 7th All India Inter College Academic Meet-2016 & Innovative model competition for a sustainable society, organized by FOSET, held on 13th 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 5th and 6th 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 5th and 6th 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 5th and 6th 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 5th and 6th 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 5th and 6th 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 5th and 6th 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 5th and 6th 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 5th and 6th 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 5th and 6th 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 5th and 6th 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 5th and 6th 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, Confrence 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.
- **Dr. Arun Kumar Mondal , Soma Manna**: "Link Layer Capacity of MIMO Ad Hoc Network with Noise Environment" In International Journal for Scientific Research and Development, Published in :Volume:3,Issue:12, 03/2016.
- **Palasri Dhar**, "A Comparison between ballistic and scattering limited mobility in GaN Single quantum well and AlGaN/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, AnurimaMajumdar, 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.
- **AnurimaMajumdar**, "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
- **AnurimaMajumdar**, "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
- **Aditi Sengupta**, "Analysis of Bandwidth limitations of Parallel Coupled Microstrip filter", International Journal of Engineering Science and Computing (IJESC) May, 2016, IF-5.6

- **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
- **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

DEPARTMENT: ASH

National Journal

- **Mrs. Sucharita Chakrabarti**: "Classification of Points of m-discontinuity in m-spaces", Journal of Tripura Mathematical Society., 2015
- **Mrs. Sucharita Chakrabarti**, "Classification of Points of M-discontinuity of a mapping in m-spaces", Journal of Tripura Mathematical Society, ISSN: 0972-1320, March, 2016.
- **Mrs. Sucharita Chakrabarti**, "On Generalized Structure: Soft Fuzzy m-Spaces", Bulletin of Calcutta Mathematical Society, ISSN: 0008- 0659, May, 2016

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** "Transport properties of rare earth manganite LaMnO_3 doped 50 mol% V_2O_5 - 50 mol% PbO nanocomposite", 103rd Indian Science Congress organized by Mysuru University, Mysuru, 3-7th Jan 2016
- **Dr. Soma Mukherjee**: "Study of temperature dependent dc conductivity of $\text{Fe}_{1-x}\text{Co}_x\text{O}_y$ film grown on MgO (100)", National Conference on Advancement in Frontier Physics : From 20th Century to the present organised by the Dept. of Physics, Bhairab Ganguly College, 26th - 27th 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 (ISBN 978-1-4673-6734-9), 20-22 Nov, 2015
- **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, 2015
- **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, November 24-26, 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" 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
- **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

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

- **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**, “Open delta Converter performance analysis”,published in **IEPEDS, July 2015**
- **Dr. Prabal Deb**,”Performance study of a Grid Tied Bidirectional Converter”,published in **Elsevier,2015**
- **Suman Ghosh**, “Calculation of Hot Spot Temperature and Ageing of a Transformer”,published in IJTRA, Vol-4(pp 140-143), Jan-Feb 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), pp. 183-193,ELSEVIER, 17-DEC-2015

DEPARTMENT: AEIE

International Seminar / Conference

- **Sanghamitra Layek, Santana Das**, Programmable luggage security system International Conference on Recent Trends in Engineering Science And Management by ARreserch Publication **ISBN 978-81-931039-2-0,2015**
- **Sudip Kuila , Dibyendu Sur, Sanjana Ghosh, Bansari Deb Majumder** , Arijita Das, Susmita Das, Anilesh Dey : “ Heart Disease Diagnosis By Using Artificial Neural Network” in 2nd International conference on Microelectronics,Circuits and Systems, Micro2015 on 11-12 July 2015
- **Adhish Kr. Chakraborty**, “Lyapunov Based Two Stage Robust Model Reference Adaptive Controller for Linear Plants With Time Varying Bounded Uncertainties”,4TH International Conference on Advances in Control and Optimization of Dynamical Systems, ACODS 2016 during Feb 1 - 5, 2016 in Tiruchirapalli
- **Paramita Banerjee**,"Electrical Impedance modelof piezoelectric based sensor",IEEE First International Conference on Control, Measurement and Instrumentation,Pesented and peocceedingd has been published in IEEE portal,2016
- **Paramita Banerjee**,"Electrical equivalent cascade model of piezoelectric based sensor",WIECON-ECE 2015,Dec 2015

International Journal

- **Suparna maity** : “PC Based Automatic Irrigation System ” in International Journal of Advanced Research in Science & Engineering , ISBN-2319-8354, Impact Factor-1.142, 2015
- **Bapita Roy**, “Semi analytical approach to study the loss characteristics of a symmetrical multilayered plasmonic waveguide”, Published 1st March 2016, Vol. 55, No. 7 / March 1,2016 / Applied Optics 1765

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