

FACULTY PUBLICATION

Department of Information Technology

2022-2023

International Seminar / Conference

- **Suaprna Karmakar, Trishita Ghosh, Sougata Roy, Anurati Kar, Moumita Basak, “Deep Neural Net Based Approach For Air Pressure Prediction”** Second International Conference on Innovations in Software Architecture and Computational Systems (ISACS 2022), 21 – 22 July, 2022. Proceeding will be published in AIP publications (Scopus, Web of Science)
- **Sudeep Ghosh, Mandira Banik, Amrut Ranjan Jena “Recognizing Chemical Structures Drawn by Hand using Deep Learning Algorithms and Predict Probable Chemical Structure”** Second International Conference on Innovations in Software Architecture and Computational Systems (ISACS 2022), 21 – 22 July, 2022. Proceeding will be published in AIP publications (Scopus, Web of Science)
- **Tridib Chakraborty, Sudeep Ghosh, Trishita Ghosh, MD Mizan Chowdhury, Dr. Moumita Das, Suparna Das, Sayani Sengupta, Debayan Roy, Gourav Nandy, Roumita Singha, Pallab Nath, Sriparna Ghosh, “Image Colorization using Deep Learning”** AICTE Sponsored International Conference on Communication Computing Nano-Microwave Technology (CCNMT 20222), 8th-9th July, 2022.
- **Katha Roy, Ishan Goswami, Jagyaseni Sengupta, Debashruti Das, Moumita Das, Sudeep Ghosh, Tridib Chakraborty , MD Mizan Chowdhury, Suparna Karmakar, Trishita Ghosh “Music Genre Interpretation Study using Machine Learning and Regression Analysis Approach”** AICTE Sponsored International Conference on Communication Computing Nano-Microwave Technology (CCNMT 20222), 8th-9th July, 2022.
- **Dr. Moumita Das, Tridip Chakraborty, Sudeep Ghosh, Suparna Karmakar, Trishita Ghosh, Mizan Chowdhury, Raunak Seal, “New frontiers of Cyber Warfare”** AICTE Sponsored International Conference on Communication Computing Nano-Microwave Technology (CCNMT 20222), 8th-9th July, 2022.
- **Suparna Karmakar, Trishita Ghosh, Tridib Chakraborty, Anurati Kar, Sougata Roy, Moumita Basak, “OCR based approach for Auto-Detection and Recognition of Vehicle Number Plate”** AICTE Sponsored International Conference on Communication Computing Nano-Microwave Technology (CCNMT 20222), 8th-9th July, 2022.

International Journal

- **Trishita Ghosh, “Advances in Online Handwritten Recognition in the last decades”,** Journal of Computer Science Review, SCI Indexed, Elsevier, IF-7.82 (accepted).

- **Dr.Moumita Das , Suparna Karmakar, Trishita Ghosh, Chowdhury Md. Mizan, Sanju Ghosh, Soumyajit Banerjee “Petri Net Based Design of Auto-Signaling Framework in Railway Network”, International Journal of Scientific Research in Engineering and Management (IJSREM) Volume 06, Issue 06 July 2022.**
- **Chowdhury Md. Mizan, Sudeep Ghosh, Tridib Chakroborty, Moumita Das, Swarnava Sengupta, Sandip Mondal, Suman Dey, Swarup Mondal, Biswarup Nayak “Multi Biometric System by Iris and Fingerprint”, International Journal of Scientific Research in Engineering and Management (IJSREM) Volume 06, Issue 06 July 2022.**
- **Moumita Das, Chowdhury Md. Mizan, Suparna Karmakar. Prince Kumar, “STRATEGY TO CREATE VARIABLE KEYS IN MODERN CRYPTOGRAPHY”, International Journal of Progressive Research in Engineering Management and Science Volume 07, Issue 07 July 2022.**
- **Sushmita Paul, Sarbajit Ghosh, Chowdhury Md Mizan “A SURVEY OF MULTIBIOMETRIC SYSTEMS”, International Journal of Scientific Research in Engineering and Management (IJSREM) Volume 06, Issue 06 July 2022.**
- **Sudeep Ghosh, SK Hafizul Islam, Abhishek Bisht, Ashok Kumar Das, "Provably Secure Public-Key Encryption with Keyword Search Scheme for Data Outsourcing in Cloud Environment" Journal of System Architecture SCI Indexed, IF-5.83 2023 Volume 139,102876, ISSN 1383-7621, <https://doi.org/10.1016/j.sysarc.2023.102876>**
- **Tridib Chakroborty, Sudeep Ghosh, Md. Mizan Chowdhury, Trishita Ghosh ,Suparna Karmakar, Gopal Pramanik, Saransh Sinha “Automatic Number PLATE Recognition by Employing Deep Learning Methods” GRADIVA REVIEW-JOURNAL, VOLUME 9 ISSUE 5, May 2023. Scopus Index.**
- **Tridib Chakroborty, Sudeep Ghosh, Gopal Pramanik, Cheryl Mukherjee, “Stock market Trend Prediction Using LSTM Model for Future Prediction” GRADIVA REVIEW-JOURNAL, VOLUME 9 ISSUE 5, May 2023. Scopus Index.**
- **Biswas, S., Maity, P., Bhattacharya, S., Goswami, A., Karmakar, S. (2023). A Time Saving Image Segmentation Technique and Its Application to Detect Cotton Leaf Spot. In: Shukla, A.K., Sharma, B.P., Arabkoohsar, A., Kumar, P. (eds) Recent Advances in Mechanical Engineering. FLAME 2022. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-99-1894-2_31**
- **Chowdhury Md Mizan,Soudip Panja, Radha Kumari, Oiendriila Banerjee, “Face Detection and Recognition Using OpenCv” GIS Science Journal VOLUME 10, ISSUE 5, June 2023, ISSN NO : 1869-9391, pp-1293-1299. (Scopus Index).**
- **Chowdhury Md Mizan, Tridib Chakroborty, Trishita Ghosh, Suparna Karmaka, Sudeep Ghosh, Mojibul Rahaman “Biometric software that maps human Face Recognition Using Python” GIS Science Journal VOLUME 10, ISSUE 5, May 2023, ISSN NO : 1869-9391, pp-772-778. (Scopus Index).**

- **Tridib Chakraborty, Sudeep Ghosh, Chowdhury Md Mizan, Raunak Sil**“ Quantum Computing: a Detailed Overview” GIS Science Journal VOLUME 10, ISSUE 5, May 2023, ISSN NO : 1869-9391, pp-2007-2022. (Scopus Index)

2021-2022

International Journal

- **Sudeep Ghosh,**“A Provably Secure Public-Key Encryption with Keyword Search Scheme for Data Outsourcing in Cloud Environment”IEEE Systems Journal, SCI Indexed, IF-4.802(Communicated),2022
- **Trishita Ghosh,** “Advances in Online Handwritten Recognition in the last decades”, Journal of Computer Science Review, SCI Indexed, Elsevier, IF-7.82 (Communicated),2022

International Conference

- Mandira Banik, **Sudeep Ghosh, Amrut Ranjan Jena, Tridib Cakrabort, Trishita Ghosh, Akash Gupta** “APPROXIMATE COMPUTING: ERROR TOLERANT ADDER” International Conference on Applications of Networks, Sensors and Autonomous Systems Analytics (ICANSASA 2020). Organized by JIS College of Engineering on 11th& 12th December 2020 (Proceedings will be published through Springer book series “Studies in Autonomic, Data-driven and Industrial Computing”, Scopus Index).
- **Sudeep Ghosh, Mandira Banik, Tridib Chakraborty, Trishita Ghoh, Chowdhury Md. Mizan, Soumyadipta Basu** “Repairing TSVs for 3D ICs using Redundant TSV”, International Conference on Industrial Instrumentation & Control (ici2c-2021) organized by Applied Electronics & Instrumentation Engineering Department, RCC Institute of Information Technology, Kolkata, From 21st & 22nd August Conference Proceedings will be published in “Lecture Notes in Electrical Engineering” Springer ISSN: 1876-1100 (Scopus Indexed).
- **Tridib Chakraborty, Sudeep Ghosh, Trishita Ghosh, MD Mizan Chowdhury, Dr.Moumita Das,** Suparna Das, Sayani Sengupta, Debayan Roy, Gourav Nandy, Roumita Singha, Pallab Nath, Sriparna Ghosh, “**Image Colorization using Deep Learning**” AICTE Sponsored International Conferenceon Communication Computing Nano-Microwave Technology (CCNMT 20222), 8 th -9 th July, 2022.
- Katha Roy, Ishan Goswami, Jagyaseni Sengupta, Debashruti Das,**Moumita Das, Sudeep Ghosh ,Tridib Chakraborty , MD Mizan Chowdhury, Suparna Karmakar, Trishita Ghosh** “**Music Genre Interpretation Study using Machine Learning and Regression Analysis Approach**” AICTE Sponsored International Conferenceon Communication Computing Nano-Microwave Technology (CCNMT 20222), 8th-9 th July, 2022.
- **Dr.Moumita Das,Tridib Chakraborty, Sudeep Ghosh, Suparna Karmakar,Trishita Ghosh, Mizan Chowdhury,Raunak Seal,** “**New frontiers of Cyber Warfare**” AICTE Sponsored International Conferenceon Communication Computing Nano-Microwave Technology (CCNMT 20222), 8th-9 th July, 2022.
- **Suparna Karmakar, Trishita Ghosh, Tridib Chakraborty, Anurati Kar, Sougata Roy, Moumita Basak,** “**OCR based approach for Auto-Detection and Recognition of Vehicle Number Plate**” AICTE Sponsored International Conferenceon Communication Computing Nano-Microwave Technology (CCNMT 20222), 8th-9 th July, 2022.

2020-2021

Faculty Publication:

International Seminar / Conference

- Mandira Banik, **Sudeep Ghosh**, Amrut Ranjan Jena, **Tridib Chakraborty**, **Trishita Ghosh**, **Akash Gupta** “**APPROXIMATE COMPUTING: ERROR TOLERANT ADDER**” International Conference on Applications of Networks, Sensors and Autonomous Systems Analytics (ICANSASA 2020). Organized by JIS College of Engineering on 11th & 12th December 2020 (Proceedings will be published through **Springer book series** “Studies in Autonomic, Data-driven and Industrial Computing”, Scopus Index).
- **Sumit Choudhary**, **Subhra Sarkar**, Trishita Ghosh, Tridib Chakraborty, Sudeep Ghosh, Suparna Karmakar “A Low-Latency Scheme Using Real-time Constraints for V2V Communication in VANET” International Conference on Applications of Networks, Sensors and Autonomous Systems Analytics (ICANSASA 2020). Organized by JIS College of Engineering on 11th & 12th December 2020 (Proceedings will be published through **Springer book series** “Studies in Autonomic, Data-driven and Industrial Computing”, Scopus Index).

• **International Journal**

- Tridib Chakraborty, Sudeep Ghosh, Trishita Ghosh, Chowdhury Md. Mizan, Suparna Karmakar "(3, 3) Visual Cryptography for Online Certificate Authentication" International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-9 Issue-6, August 2020 Scopus Index.
- Suparna Biswas, Sayan Roy Chowdhuri, Palasri Dhar, Suparna Karmakar ““RECENT ADVANCES OF FACE RECOGNITION IN TRANSFORM DOMAIN””, Journal of Critical Review. Year: 2020, Volume: 7, Issue: 19: 6385-6393. DOI: 10.31838/jcr.07.19.735.(Scopus)
- , Sudeep Ghosh, Mandira Banik, Tridib Chakraborty, Trishita Ghosh, Chowdhury Md. Mizan, Suparna Karmakar "Repairing of Faulty TSVs Using Redundant TSVs" International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-10 Issue-7, September 2020 Scopus Index.
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Student Publication:

International Seminar / Conference

- Mandira Banik, **Sudeep Ghosh**, Amrut Ranjan Jena, **Tridib Chakraborty**, **Trishita Ghosh**, **Akash Gupta** “**APPROXIMATE COMPUTING: ERROR TOLERANT ADDER**” International Conference on Applications of Networks, Sensors and Autonomous Systems Analytics (ICANSASA 2020). Organized by JIS College of Engineering on 11th & 12th December 2020 (Proceedings will be published through **Springer book series** “Studies in Autonomic, Data-driven and Industrial Computing”, Scopus Index).
- **Sumit Choudhary**, **Subhra Sarkar**, Trishita Ghosh, Tridib Chakraborty, Sudeep Ghosh, Suparna Karmakar “A Low-Latency Scheme Using Real-time Constraints for V2V Communication in VANET” International Conference on Applications of Networks, Sensors and Autonomous Systems Analytics (ICANSASA 2020). Organized by JIS College of Engineering on 11th & 12th December 2020 (Proceedings will be published through **Springer book series** “Studies in Autonomic, Data-driven and Industrial Computing”, Scopus Index).

2019-20

International Seminar / Conference

Faculty Publication:

1. Tridib Chakraborty, Sudeep Ghosh, Trishita Ghosh, Chowdhury Md Mizan, Soumyadip Basu “A novel approach for Energy Optimization at Server Side Applications” International Congress for Renewable Energy (ICORE-2020) ,7-8 February, 2020. ISBN No-978935396-201-2.
2. Sudeep Ghosh, Tridib Chakraborty, Chowdhury Md. Mizan, Trishita Ghosh, Silvia Das “An Energy Efficient Architecture to repair Clustered Fault in 3D IC” International Congress for Renewable Energy (ICORE-2020) ,7-8 February, 2020. ISBN No-978935396-201-2.
3. 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” International Congress for Renewable Energy (ICORE-2020) ,7-8 February, 2020. ISBN No-978935396-201-2.
4. 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” International Congress for Renewable Energy (ICORE-2020) ,7-8 February, 2020. ISBN No-978935396-201-2.
5. 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.
6. Tridib Chakraborty, Sudeep Ghosh, Suparna Karmakar, Puja Mukherjee, Niladri Sen, Sandipan Kar “Visual Cryptography for Online Certificate Authentication”. Frontiers in Engineering, Management and Applied Science (FEMAS-2019) 26-27 September, 2019. ISBN No- 978-93-5391-015-0.

7. Sudeep Ghosh, Mandira Banik, Tridib Chakraborty, Arkajyoti Chakraborty "Repairing of functional TSVs Using Redundant TSVs." *Frontiers in Engineering, Management and Applied Science (FEMAS-2019)* 26-27 September, 2019. ISBN No- 978-93-5391-015-0.
8. Trishita Ghosh, MonishankarNath, ArnabBanerjee, Prithwish Das "Congestion Control Approach by Controlling Number of Messages Dynamically and by Sharing the." *Frontiers in Engineering, Management and Applied Science (FEMAS-2019)* 26-27 September, 2019.
9. Chowdhury Md. Mizan ,Rizwi Salim,Kumarika Mukherjee "Text detection from camera captured image" *Frontiers in Engineering, Management and Applied Science (FEMAS-2019)* 26-27 September, 2019. ISBN No- 978-93-5391-015-0.
10. **Chowdhury Md. Mizan, Tridib Chakraborty, Sudeep Ghosh, Suparna Karmakar**"A Survey of Load balanced Job scheduling scheme in cloud computing" in *FICR International conference on Rising Threats in Expert Applications & Solutions*".**Advances Intelligent Systems and Computing. Springer**, ISBN 978-981-15-6013-2. May, 2020

Book Chapter

1. **Chowdhury Md. Mizan, Tridib Chakraborty, Sudeep Ghosh, Suparna Karmakar**"A Survey of Load balanced Job scheduling scheme in cloud computing" in *FICR International conference on Rising Threats in Expert Applications & Solutions*".**Advances Intelligent Systems and Computing. Springer**, ISBN 978-981-15-6013-2. May, 2020

International Journal

Student Publication:

1. Tridib Chakraborty, Sudeep Ghosh, Trishita Ghosh, Chowdhury Md Mizan, Soumyadipta Basu "A novel approach for Energy Optimization at Server Side Applications" *International Congress for Renewable Energy (ICORE-2020)* ,7-8 February, 2020. ISBN No-978935396-201-2.
2. Sudeep Ghosh, Tridib Chakraborty, Chowdhury Md. Mizan, Trishita Ghosh, Silvia Das "An Energy Efficient Architecture to repair Clustered Fault in 3D IC" *International Congress for Renewable Energy (ICORE-2020)* ,7-8 February, 2020. ISBN No-978935396-201-2.
3. 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" *International Congress for Renewable Energy (ICORE-2020)* ,7-8 February, 2020. ISBN No-978935396-201-2.
4. 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" *International Congress for Renewable Energy (ICORE-2020)* ,7-8 February, 2020. ISBN No-978935396-201-2.
5. 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*.
6. Tridib Chakraborty, Sudeep ghosh, Suparna Karmakar, Puja Mukherjee, Niladri Sen, Sandipan Kar "Visual Cryptography for Online Certificate Authentication". *Frontiers in Engineering, Management and Applied Science (FEMAS-2019)* 26-27 September, 2019.
7. Sudeep Ghosh, Mandira Banik, Tridib Chakraborty, Arkajyoti Chakraborty "Repairing of functional TSVs Using Redundant TSVs." *Frontiers in Engineering, Management and Applied Science (FEMAS-2019)* 26-27 September, 2019.
8. Trishita Ghosh, MonishankarNath, ArnabBanerjee, Prithwish Das "Congestion Control Approach by Controlling Number of Messages Dynamically and by Sharing the." *Frontiers in Engineering, Management and Applied Science (FEMAS-2019)* 26-27 September, 2019.
9. Chowdhury Md. Mizan ,Rizwi Salim,Kumarika Mukherjee "Text detection from camera captured image." *Frontiers in Engineering, Management and Applied Science (FEMAS-2019)* 26-27 September, 2019.

2018-19

International Seminar / Conference

Faculty Publication:

1. Pradipta Karmakar, Mizan Chowdhury, Sayantan Jana, Sayak Dasgupta, Subham Paul, Rimpi Das and Saptaparna Das “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. Kolkata.
2. Tridib Chakraborty Ipsita Bera, Indrani Dey “Market basket analysis-A formal approach” International Conference on Electrical, Electronics, Computer Science & Civil Engineering (ICEECC-2019), April 26-27.2019. Kolkata.

International Journal

1. Pradipta Karmakar, Mizan Chowdhury, Sayak Dasgupta, 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.
2. 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
3. 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
4. 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.
5. Suseep Ghosh, Mandira Banik, Tridib Chakraborty, Rohan Rajak “International Journal of Scientific and Engineering Research (IJSER)” (ISSN-2229-5518) Volume 10, Issue 6, June 2019 .
6. 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.

Student Publication:

1. Pradipta Karmakar, Mizan Chowdhury, Sayantan Jana, Sayak Dasgupta, Subham Paul, Rimpi Das and Saptaparna Das “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. Kolkata.

2. Tridib Chakraborty Ipsita Bera, Indrani Dey “Market basket analysis-A formal approach” International Conference on Electrical, Electronics, Computer Science & Civil Engineering (ICEECC-2019), April 26-27.2019. Kolkata.

International Journal

1. Pradipta Karmakar, Mizan Chowdhury, Sayak Dasgupta, 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.
2. 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
3. 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
4. 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.
5. Suseep Ghosh, Mandira Banik, Tridib Chakraborty, Rohan Rajak “International Journal of Scientific and Engineering Research (IJSER)” (ISSN-2229-5518) Volume 10, Issue 6, June 2019 .
6. 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.

International Journal

2017-2018

International Seminar / Conference

1. **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 .
2. **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.
3. 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

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

2016-2017

International Seminar / Conference

1. **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.
2. **Sudeep Ghosh**; Recovery of 3D IC using redundant TSV ;24th West Bengal State Science & Technology Congress,2017
3. Raja Dastidar, **Baisakhi Das** ; Inspiration of vertical transportation on multilayered architecture of lab-on-chip: a hybrid approach ; 24th West Bengal State Science & Technology Congress,2017 .
4. **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.
5. **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, 2016. Trichy, Chennai.

International Journal

1. **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.
2. 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.
3. 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.
4. **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.
5. **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.
6. **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.
7. **Trishita Ghosh**, Rajat Singh, Namrata Sharma, Avijit Nath ‘Congestion Control Approach by Dynamically Adjusting the Load of Beacon Messages in VANET ‘ in International Journal of Emerging Technologies in Engineering Research (IJETER) Volume 5, Issue 6, June (2017), ISSN: 2454-6410, page-69-74.

8. **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.

2015-2016

International Seminar / Conference

1. **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.
2. **Sudeep Ghosh**, Mandira banik, Primit 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.
3. 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.
4. **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.
5. 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.

International Journal

1. **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.
2. **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 .
3. **Tridib Chakraborty**, Mizan Md Chowdhury “**Remote Voting System Using Extended Visual Cryptography**” International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064, Impact factor-6.3, vol-5, issue-5, October, 2015, Pg-1458.
4. **Sudeep Ghosh**, Mandira Banik “**Modelling of Metro railway signaling using petri net**” International Journal of Advanced research in Computer and Communication Engineering (IJARCCCE), ISSN (online)-227-1021, ISSN (Print) 2319-5940. Impact Factor- 5.332 issue 4 Vol-7 July, 2015.
5. **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 (IJIET), volume 6, Issue 4, April, 2016 ,ISSN: 2319 – 1058 Page no:651-657 , Impact factor: 0.672.
6. **Trishita Ghosh**, Md. Shahriq Khan “**Congestion Control in VANET Using Threshold Based Distance Metric with Time Synchronization Approach**” International Journal of Innovations in

2014-15

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1. **Baisakhi Das**, Mousimi Saha, Sukanta Das and Biplab K Sikdar; A CA Based Scheme Of Cache one 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

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1. **Baisakhi Das**, Implementation of Digital Watermarking using Discrete wavelet Transform, International Journal of Innovative Research in Technology and Science (IJIRTS). ISSN: 2321-1156.

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1. **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

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3. **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
4. 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.
5. 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

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7. **Chowdhury Md. Mizan**, SayanKhasnabis, SubhajitRaha, SayanChaudhuri, Joydeep Paul, Sushovan Sen 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
8. **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

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9. **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

10. **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.

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1. **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.
2. **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

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1. 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.
2. **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
3. **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.
4. 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.

5. 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.

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1. **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.
2. 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.
3. **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.
4. 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.
5. **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.
6. **Sudeep Ghosh**, Hafizur Rahaman: " A General Purpose Simulator for Network-On-Chips" 2nd International Conference on next generation communication and computing System” Organized by Institute of Engineers, Technocrats and Academician (IETAN) in March 27-28 2012.

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2010-11

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1. **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).
2. 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
3. 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

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4. 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).

FACULTY PUBLICATION

Department of Information Technology

2020-2021

Faculty Publication:

International Seminar / Conference

- Mandira Banik, Sudeep Ghosh, Amrut Ranjan Jena, Tridib Chakraborty, Trishita Ghosh, Akash Gupta "APPROXIMATE COMPUTING: ERROR TOLERANT ADDER" International Conference on Applications of Networks, Sensors and Autonomous Systems Analytics (ICANSASA 2020). Organized by JIS College of Engineering on 11th & 12th December 2020 (Proceedings will be published through Springer book series "Studies in Autonomic, Data-driven and Industrial Computing", Scopus Index).
- Sumit Choudhary, Subhra Sarkar, Trishita Ghosh, Tridib Chakraborty, Sudeep Ghosh, Suparna Karmakar "A Low-Latency Scheme Using Real-time Constraints for V2V Communication in VANET" International Conference on Applications of Networks, Sensors and Autonomous Systems Analytics (ICANSASA 2020). Organized by JIS College of Engineering on 11th & 12th December 2020 (Proceedings will be published through Springer book series "Studies in Autonomic, Data-driven and Industrial Computing", Scopus Index).

● International Journal

- Tridib Chakraborty, Sudeep Ghosh, Trishita Ghosh, Chowdhury Md. Mizan, Suparna Karmakar "(3, 3) Visual Cryptography for Online Certificate Authentication" International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-9 Issue-6, August 2020 Scopus Index.
- Suparna Biswas, Sayan Roy Chowdhuri, Palasri Dhar, Suparna Karmakar "RECENT ADVANCES OF FACE RECOGNITION IN TRANSFORM DOMAIN", Journal of Critical Review. Year: 2020, Volume: 7, Issue: 19: 6385-6393. DOI: 10.31838/jcr.07.19.735.(Scopus)
- Sudeep Ghosh, Mandira Banik, Tridib Chakraborty, Trishita Ghosh, Chowdhury Md. Mizan, Suparna Karmakar "Repairing of Faulty TSVs Using Redundant TSVs" International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-10 Issue-7, September 2020 Scopus Index.
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- Mandira Banik, **Sudeep Ghosh**, Amrut Ranjan Jena, **Tridib Chakraborty**, **Trishita Ghosh**, **Akash Gupta** “**APPROXIMATE COMPUTING: ERROR TOLERANT ADDER**” International Conference on Applications of Networks, Sensors and Autonomous Systems Analytics (ICANSASA 2020). Organized by JIS College of Engineering on 11th & 12th December 2020 (Proceedings will be published through **Springer book series** “Studies in Autonomic, Data-driven and Industrial Computing”, Scopus Index).
- **Sumit Choudhary**, **Subhra Sarkar**, Trishita Ghosh, Tridib Chakraborty, Sudeep Ghosh, Suparna Karmakar “A Low-Latency Scheme Using Real-time Constraints for V2V Communication in VANET” International Conference on Applications of Networks, Sensors and Autonomous Systems Analytics (ICANSASA 2020). Organized by JIS College of Engineering on 11th & 12th December 2020 (Proceedings will be published through **Springer book series** “Studies in Autonomic, Data-driven and Industrial Computing”, Scopus Index).

2019-20

International Seminar / Conference

Faculty Publication:

1. Tridib Chakraborty, Sudeep Ghosh, Trishita Ghosh, Chowdhury Md Mizan, Soumyadip Basu “A novel approach for Energy Optimization at Server Side Applications” International Congress for Renewable Energy (ICORE-2020) ,7-8 February, 2020. ISBN No-978935396-201-2.
2. Sudeep Ghosh, Tridib Chakraborty, Chowdhury Md. Mizan, Trishita Ghosh, Silvia Das “An Energy Efficient Architecture to repair Clustered Fault in 3D IC” International Congress for Renewable Energy (ICORE-2020) ,7-8 February, 2020. ISBN No-978935396-201-2.
3. 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” International Congress for Renewable Energy (ICORE-2020) ,7-8 February, 2020. ISBN No-978935396-201-2.
4. 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” International Congress for Renewable Energy (ICORE-2020) ,7-8 February, 2020. ISBN No-978935396-201-2.
5. 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.
6. Tridib Chakraborty, Sudeep Ghosh, Suparna Karmakar, Puja Mukherjee, Niladri Sen, Sandipan Kar “Visual Cryptography for Online Certificate Authentication”. Frontiers in Engineering, Management and Applied Science (FEMAS-2019) 26-27 September, 2019. ISBN No- 978-93-5391-015-0.

7. Sudeep Ghosh, Mandira Banik, Tridib Chakraborty, Arkajyoti Chakraborty "Repairing of functional TSVs Using Redundant TSVs." *Frontiers in Engineering, Management and Applied Science (FEMAS-2019)* 26-27 September, 2019. ISBN No- 978-93-5391-015-0.
8. Trishita Ghosh, Monishankar Nath, Arnab Banerjee, Prithwish Das "Congestion Control Approach by Controlling Number of Messages Dynamically and by Sharing the." *Frontiers in Engineering, Management and Applied Science (FEMAS-2019)* 26-27 September, 2019.
9. Chowdhury Md. Mizan, Rizwi Salim, Kumarika Mukherjee "Text detection from camera captured image" *Frontiers in Engineering, Management and Applied Science (FEMAS-2019)* 26-27 September, 2019. ISBN No- 978-93-5391-015-0.
10. **Chowdhury Md. Mizan, Tridib Chakraborty, Sudeep Ghosh, Suparna Karmakar** "A Survey of Load balanced Job scheduling scheme in cloud computing" in *FICR International conference on Rising Threats in Expert Applications & Solutions*. **Advances Intelligent Systems and Computing. Springer**, ISBN 978-981-15-6013-2. May, 2020

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1. **Chowdhury Md. Mizan, Tridib Chakraborty, Sudeep Ghosh, Suparna Karmakar** "A Survey of Load balanced Job scheduling scheme in cloud computing" in *FICR International conference on Rising Threats in Expert Applications & Solutions*. **Advances Intelligent Systems and Computing. Springer**, ISBN 978-981-15-6013-2. May, 2020

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Student Publication:

1. Tridib Chakraborty, Sudeep Ghosh, Trishita Ghosh, Chowdhury Md Mizan, Soumyadipta Basu "A novel approach for Energy Optimization at Server Side Applications" *International Congress for Renewable Energy (ICORE-2020)* ,7-8 February, 2020. ISBN No-978935396-201-2.
2. Sudeep Ghosh, Tridib Chakraborty, Chowdhury Md. Mizan, Trishita Ghosh, Silvia Das "An Energy Efficient Architecture to repair Clustered Fault in 3D IC" *International Congress for Renewable Energy (ICORE-2020)* ,7-8 February, 2020. ISBN No-978935396-201-2.
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7. Sudeep Ghosh, Mandira Banik, Tridib Chakraborty, Arkajyoti Chakraborty "Repairing of functional TSVs Using Redundant TSVs." *Frontiers in Engineering, Management and Applied Science (FEMAS-2019)* 26-27 September, 2019.
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1. Pradipta Karmakar, Mizan Chowdhury, Sayantan Jana, Sayak Dasgupta, Subham Paul, Rimpi Das and Saptaparna Das “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. Kolkata.
2. Tridib Chakraborty Ipsita Bera, Indrani Dey “Market basket analysis-A formal approach” International Conference on Electrical, Electronics, Computer Science & Civil Engineering (ICEECC-2019), April 26-27.2019. Kolkata.

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1. Pradipta Karmakar, Mizan Chowdhury, Sayak Dasgupta, 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.
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4. 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.
5. Suseep Ghosh, Mandira Banik, Tridib Chakraborty, Rohan Rajak “International Journal of Scientific and Engineering Research (IJSER)” (ISSN-2229-5518) Volume 10, Issue 6, June 2019 .
6. 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.

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1. Pradipta Karmakar, Mizan Chowdhury, Sayak Dasgupta, 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.
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3. 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
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2017-2018

International Seminar / Conference

1. **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 .
2. **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.
3. 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

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

2016-2017

International Seminar / Conference

1. **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.
2. **Sudeep Ghosh**; Recovery of 3D IC using redundant TSV ;24th West Bengal State Science & Technology Congress,2017
3. Raja Dastidar, **Baisakhi Das** ; Inspiration of vertical transportation on multilayered architecture of lab-on-chip: a hybrid approach ; 24th West Bengal State Science & Technology Congress,2017 .
4. **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.
5. **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, 2016. Trichy, Chennai.

International Journal

1. **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.
2. 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.
3. 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.
4. **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.
5. **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.
6. **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.
7. **Trishita Ghosh**, Rajat Singh, Namrata Sharma, Avijit Nath ‘Congestion Control Approach by Dynamically Adjusting the Load of Beacon Messages in VANET ‘ in International Journal of Emerging Technologies in Engineering Research (IJETER) Volume 5, Issue 6, June (2017), ISSN: 2454-6410, page-69-74.

8. **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.

2015-2016

International Seminar / Conference

1. **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.
2. **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.
3. 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.
4. **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.
5. 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.

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