# 2020-21

## International Journal

- **Rupak Chakraborty**, Garima Verma, Suyel Namasudra, "IFODPSO-based multi-level image segmentation scheme aided with Masi entropy", Journal of Ambient Intelligence and Humanized Computing (2020), SCIE (4.54), Springer, Vol. **12**, pp.7793-7891, Published: 02 September 2020.

- Suyel Namasudra, **Rupak Chakraborty**, Dr. Arun Kumar Sangaigh, "FAST: Fast Accessing Scheme for Data Transmission in Cloud Computing", Peer-to-Peer Networking and Applications (2020) SCIE (2.793), Springer, DOI: https://doi.org/10.1007/s12083-020-00959-6, Published: 28 August 2020.

- Suyel Namasudra, **Rupak Chakraborty**, Abhishek Majumder, Anish Kumar Saha, Nageswara R Moparthi, "Securing Multimedia by Using DNA Based Encryption in the Cloud Computing Environment", ACM-Transactions on Multimedia Computing Communications and Applications, Accepted, SCIE(3.275), ACM. Published: December,2020

- R.Shaw,M. Mishra, & **Amrut Ranjan Jena. (2021, February).** Knowledge Mining in Spreading Pattern of COVID-19 and Its Impact on India Economy. In Journal of Physics: Conference Series (Vol. 1797, No. 1, p. 012013). IOP Publishing.

- S.Pati, S.Mallick, S.Chakraborty, R.Kaur, **Moloy Dhar, and Amrut Ranjan Jena** (2021, February). A Regression Model Frame with IoT to Predict COVID Zone. In Journal of Physics: Conference Series (Vol. 1797, No. 1, p. 012029). IOP Publishing.

- **Ipsita Saha (2021, March).** "Development of Sustainable Business Model: A Conceptual Framework for the Financial Sector to Obtain Successful ERP", In INTERNATIONAL JOURNAL OF SUSTAINABLE DEVELOPMENT AND PLANNING (IJSDP) (Vol. 15, No. 8) Scopus Indexed.

## International Conference

- R. Shaw, M. Mishra, **Amrut Ranjan Jena, "Knowledge Mining in Spreading Pattern of COVID-19 and Its Impact on India Economy"** Accepted in (31st July-2020) International Online Conference on Engineering Response to COVID- 19 (IOCER COVID-19) organize by JIS College of Engineering on 8th and 9th October 2020 (Conference proceedings will be published in **Journal of Physics: Conference Series indexed in SCOPUS, as well as EI Compendex and Inspec**)

- Sonjoy Rana, Shounak Sengupta, Sourav Jana, Rahul Dan, **Mahamuda Sultana** and Diganta Sengupta "**Prototype Proposal for Quick Accident Detection and Response System",** IEEE Fifth International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN 2020), CHRIST (Deemed to be University), Bangalore, India, November 26-27, 2020 (In Press).

- **Dr. Suman Bhattacharya, Dr. Mahamuda Sultana,** "**Deep CNN Based automatic detection and identification of Bengal Tigers",** 3<sup>rd</sup> International Conference on Computational Intelligence in Communications and Business Analytics, Springer, 7-8 Jan,2021(In Press)

- Mandira Banik, **Sudeep Ghos**h, Amrut Ranjan Jena, **Tridib Cakraborty, Trishita Ghosh**, **Akash Gupt "APPROXIMATECOMPUTING: ERROR TOLERANT ADDER"** International Conference on Applications of Networks, Sensors and Autonomous Systems Analytics (ICANSASA 2020). Organized by JIS College of Engineering on 11<sup>th</sup>& 12<sup>th</sup> December 2020 (Proceedings will be published through **Springer book series** "Studies in Autonomic, Data-driven and Industrial Computing", Scopus Index).

- Sudeep Ghosh, **Mandira Banik**, Moumita Das, Tridib Chakraborty, Chowdhury Md. Mizan, Arkajyoti Chakraborty, "Clustered Fault Repairing Architecture for 3D ICs using Redundant TSV" First International Conference on Innovations in Software Architecture and Computational Systems (ISACS 2021),02-03 April, 2021.(Proceedings will be published through the Springer Lecture note series "Network and System", Scopus Index)

- **Rupak Chakraborty, Sourish Mitra, Rafiqul Islam, Nirupam Saha, Bidyutmala Saha** "An Improved Differential Evolution Scheme for Multilevel Image Thresholding Aided with Fuzzy Entropy", International Conference on Innovations in Software Architecture and Computational Systems (ISACS - 2021) on 2-3 April, 2021 (Proceedings will be published through Springer book series "Studies in Autonomic, Data-driven and Industrial Computing", Scopus Index).

- **Rupak Chakraborty,** "Breast Cancer Histopathological Image Classification using Convolutional Neural Networks", International Conference on Innovations in Software Architecture and Computational Systems (ISACS - 2021) on 2-3 April, 2021 (Proceedings will be published through Springer book series "Studies in Autonomic, Data-driven and Industrial Computing", Scopus Index).

- **Rupak Chakraborty,** "An Improved K-Means Algorithm for Effective Medical Image Segmentation", International Conference on Innovations in Software Architecture and Computational Systems (ISACS - 2021) on 2-3 April, 2021 (Proceedings will be published through Springer book series "Studies in Autonomic, Data-driven and Industrial Computing", Scopus Index).

- **Sayani Chandra, Sangeeta Bhattacharya,** "Suicide Ideation Detection in Online Social Networks: A Comparative Review", International Conference on Innovations in Software

Architecture and Computational Systems (ISACS - 2021) on 2-3 April, 2021 (Proceedings will be published through Springer book series "Studies in Autonomic, Data-driven and Industrial Computing", Scopus Index).

- **Amrut Ranjan Jena, Santanu Kumar Sen,** "A Framework for Predicting Placement of a Graduate using Machine Learning Techniques", International Conference on Innovations in Software Architecture and Computational Systems (ISACS - 2021) on 2-3 April, 2021 (Proceedings will be published through Springer book series "Studies in Autonomic, Data-driven and Industrial Computing", Scopus Index).

- **Suman Bhattacharya**, **Mahamuda Sultana,** "An Approach of Safe Stock Prediction using Genetic Algorithm", International Conference on Innovations in Software Architecture and Computational Systems (ISACS - 2021) on 2-3 April, 2021 (Proceedings will be published through Springer book series "Studies in Autonomic, Data-driven and Industrial Computing", Scopus Index).

- **Moloy Dhar, Amrut Ranjan Jena,** "A regression model frame with IoT to predict covid zone", IOCER COVID-19.

- **Moloy Dhar**, "Profanity Detection in Social Media Text Using Hybrid Approach of NLP & Deep Learning Techniques", FEMAS-2021.

- **Ipsita Saha,** "Circular Economy Implementation in SMEs in India", 10th International Conference on Sustainable Waste Management towards Circular Economy.

# 2019-20

## 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.

- Srijit Pal, Pritimoy Sarkar, Udayaditya Sasmal, Saswata Mukhopadhyay, **Sayani Chandra, "HuMoTS: Microcontroller based Humidity Monitoring and Transmission System"** published in International Conference on Frontiers in Engineering, Management and Applied Science 2019 (FEMAS-2019), ISBN No: 978-93-5391-015-0, 26th - 27th Sept, 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, Moloy 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, Moloy 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 Curveture)-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$^{TH}$ 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$^{TH}$ 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$^{TH}$ 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$^{st}$ 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$^{TH}$ 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$^{TH}$ 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$^{TH}$ 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$^{TH}$ 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$^{\text{TH}}$ 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$^{\text{TH}}$ 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**" (Proceddings of Springer Lecture Notes in Networks and Systems (LNNS) Book series),published in International Journal - Advances in Distributed computing and Machine learing, 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.

- **Sourish Mitra, Sandip Karmakar, Bikramjit Das, Ankan Goswami, Sutapa Sarkar," IOT BASED HUMAN ORTHOSPINAL ROUNDBACK CURVETURE-KYPHOSIS DISEASE RECOVERY-MONITORING TECHNIQUE USING FLEX-JACKET "** 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,Feb-2020

- **Sourish Mitra, Ashesh Roy Choudhuri, Neela Chattopadhyay, Arshi Raina, Srijit Pal, "Iot Based Quad-Copter With Seed Sowing- Fertilizer Sprinkling- Suitable Crop Identification Strategy By Predicting Weather And Analyzing Soil: A Combo Solution Of Farming Land ",** published in IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.7, Issue 1, Page No pp.479-484, February 2020.

- Subhaditya Banerji, Soumyajeet Kabi, Rohan Chakraborty, Moloy Dhar, Amrut Ranjan Jena "A SMART SEWAGE CLEANING SYSTEM USING INTERNET OF THINGS" Published in International Journal of Research and Analytical Reviews (IJRAR) at Volume 7 Issue 2 , Date of Publication:June 2020(UGC Approved (Journal No : 43602) & 5.75 Impact Factor)

# 2018-19

## 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 Jpurnal-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,RupakBhowmik, 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 Jpurnal-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,Bidyutmala Saha,"**A Wireless Framework for Emergency Health Care System**"published in International Jpurnal-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 Jpurnal-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 Jpurnal-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

# 2017-18

## International Journal

- **Srabani Kundu,Bidyutmala 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, Thomosn 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.

# 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 27th-28th 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) 16th– 17th 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 6th 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