CURRICULUM VITAE

Name: **Prof. (Dr.) Samir KumarBandyopadhyay**

Date of Birth: 24th October 1954

Address(Home): Ideal Enclave, Phase-II, Flat-O-106, Gopalpur, Rajarhat, Kolkata-700136, West Bengal,India

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ORCID ID: https://orcid.org/0000-0002-4868-3459

 Former Vice-Chancellor, University of Calcutta, India

Former Vice-Chancellor, West Bengal University of Technology (Now its name is MACAU)

Vidwan -ID: 216222

CSI MEMBERSHIP I0007914

IETE MEMBERSHIP 139133

IE (I) MEMBERSHIP F-0156384

Present Position: **Advisor, The Bhawanipur Education Society College, Kolkata, India**

Immediate Past Position: Professor, Dept. Computer Sc. & Engineering, University of Calcutta

Past Positions (Administrative): Former Vice-Chancellor of WBUT (West Bengal University of Technology), (Now it is MACAU)

Former Vice-Chancellor, University of Calcutta

Former Registrar, University of Calcutta

Former Registrar, WBUT

Former Controller of Examinations, WBUT

Former Inspector of Colleges, University of Calcutta

Former Head of the Department (HOD): Computer Science & Engineering, University of Calcutta

Educational Qualifications

Technical Qualifications: B.E. (Cal), M. Tech. (Cal)

Medical Qualifications: MBBS (Cal), MD (UCL, UK)

Professional Qualifications: MRCP (UK), FRCS (UK)

Ph.D.: Ph.D. (Cal, India), Ph.D. (UCL, UK), Ph.D. (MIT, USA)

[Cal- University of Calcutta]

[UCL-University College London]

[MIT- Massachusetts Institute of Technology]

Prof. Bandyopadhyay did his bachelor's degree in engineering, master's degree in engineering and MBBS from University of Calcutta. He did MRCP and FRCS from UK. He did three Ph.D. in Medical Science. First, he did his Ph.D. in Cardiology from University of Calcutta. Prof. Bandyopadhyay also did his second Ph.D. on Breast Cancer at University College of London, UK. Finally, he obtained his Ph.D. degree in Brain Tumor from Massachusetts Institute of Technology, USA.

Fields of Specialization:

Biomedical Image Processing, Biomedical Engineering, Mobile Computing, Pattern Recognition, Graph Theory, Image Processing, Handwritten Signature Verification, Graphical Password Verification, Steganography and Watermarking, Medical Imaging, Forensic Science, Crime Science and Artificial Intelligence

Total Numbers of Ph.D. Degree Awarded: 100
Supervised Ph.D. (Presently): 5
Teaching Experiences: 42
Research Experiences: 40

1. **Books Published:**

   i. Analysis of Digital Histopathology Images for Breast Cancer Diagnosis, Oxford University Press, 2018

   ii. COVID-19- Validation of Disease by Machine Learning Approach, Oxford University Press, 2020

iii. Machine Learning Based Analysis and Detection of Malaria Disease, Lambert Academic Publication, Germany,2019

iv. Data structure Using C Pearson publication

v. Computer Science (Part I), Deep Prakashan publication

vi. Modern Computer Applications (Part I), Deep Prakashan publication

vii. Computer Science (Part II), Deep Prakashan publication

viii. Modern Computer Applications (Part II), Deep Prakashan publication

ix. C Programming Essentials Pearson Publication

x. Basic Computation and Principles of Computer Programming (WBUT) by Pearson publication

xi. Computer Programming: For Sant Gadge Baba Amrabati University by Pearson publication

xii. Data and File Structures: For Gujrat Technological University by Pearson publication

xiii. Fundamental of Computer Programming: for Uttarakhand Technological University by Pearson publication

xiv. Computer Concept and Programming in C (for the GBTU) by Pearson publication

xv. Information Security and Assurance: 4th International Conference, ISA 2010, Japan, June 23-25, 2010, Proceedings (edited by Prof. Samir Kumar Bandyopadhyay)

xvi. A Handbook on Computerized Tumor Classification from MRI of Brain, Lambert Academic Publication, Germany,2015

Book Chapter published:

1. Hybrid Approach towards Malaria Parasites Detection from Thin Blood Smear Image, CRC Press, 2018.

2. Application of Machine Intelligence in Digital Pathology Identification of Falciparum Malaria in Thin Blood Smear Image, Springer Nature, 2019

3. Unseen to Seen by Digital Steganography- Published in IGI Global, 2020.

4. Heterogeneity Aspects of Breast for Breast Cancer Patients Change due to COVID-19- CRC Press, 2020.

5. Diabetes Prediction Using Machine Learning Approaches- Springer Nature, 2020.

6. Artificial Intelligence Based Diagnosis of Brain Tumor Diseases- IOP Press, 2020.

7. Biomedical Signal Processing for Healthcare Applications- CRC Press.

8. Diabetes Prediction Using Machine Learning Approaches, Book

9. "Lecture Notes on Data Engineering and Communications

10. Springer.

11. Artificial Intelligence Based Diagnosis of Brain Tumor Diseases,

12. Artificial Intelligence in Cancer Diagnosis, IOP Publishers.

13. Heterogeneity Aspects of Breast for Breast Cancer Patients Change

14. due to COVID-19, Computational Intelligence for Managing

15. Pandemics, CIMP (COVID-19) - 2020.

16. Unseen to Seen by Digital Steganography, Submitted to IGI Global.

17. Biomedical Signal Processing for Healthcare Applications, Series:

18.   Emerging Trends in Biomedical Technologies and Health informatics with CRC Book indexing Scopus and WoS. Recent Trends in Healthcare System for Diagnosis of Diseases Using Health

Latest Research Projects Completed:

1. Currently involved in the project of national importance as Chief-Investigator entitled "Computer Aided Detection (CAD) System for Automatic Detection of Breast Cancer" sponsored by Electronics System Development and Application (ESDA), R&D in Electronics Group, Department of Electronics & Information Technology (DeitY), Ministry of Communication and Information Technology, Government of India. The implementing agencies are C-DAC, Thiruvananthapuram, RCC Thiruvananthapuram, Calcutta University, Kolkata, West Bengal. The aim of the project is to develop Computer Aided Detection Software for analyzing mammogram images for diagnosis of breast cancer. The system will also help the radiologist in the routine reporting of mammograms and in reducing false negative.

   The system aimed at a solution for breast cancer screening in early cancer detection centers where there is a scarcity of expert radiologists by filtering out normal images while drawing attention to suspicious cases. He is also submitted a research project to the University Grants Commission (UGC) entitled Runway Surveillance System for foreign object detection on runway both for living and non-living objects. The worth of the project is approximately rupees 5 cores for three years. The proposed project is under scrutiny.

2. Developed a website "Prime Physique" using ASP. NET.

3. Image Processing Application for Real Time Obstacle Detection, Project funded by VRDE Lab of DRDO Ahmednagar.

Positions held in Professional Bodies:

a. Chairman (Indian Part) Science & Engineering Research Support Society (SERSC), South Korea
b. Chairman (Kolkata Chapter), Institute of Electronics & Tele-Communication Engineers
c. Chairman, Rural Development Forum, Institution of Engineers (India)
d. Council Member, Institute of Electronics & Tele- Communication Engineers
e. Council Member, Institution of Engineers (India)
f. Executive Committee Member, All India Council for Technical Education (AICTE), as Registrar of University of Calcutta
g. President, Rotary Club of India

Fellowship:

a. Fellow, Institution of Engineers (India)
b. Fellow, Institution of Electronics & Tele-Communication Engineering, India

     c.   Fellow of Computer Society of India

     d.   Senior Member of IEEE and ACM

Editorial & Reviewer Activities

International Journals

- Reviewer, IEEE Transaction
- Reviewer, ACM
- Reviewer, Springer
- Reviewer, Elsevier

and many other National and International Journals

National Journals

- Consulting Editor, Journal of Computer Engineering, IE (I)
- Member of the Editorial Board, Computer Society of India
- Reviewers of IEE, IE (I), CSI and IETE Journals etc.

Organized Conference/Seminar/Symposium

- Organized National Conference (as Program Chair) on "India Emerging IT Superpower" of CSI, November, 2001at Science City, Kolkata

- Organized International Conference on "Sustainable Development" of World Federation of Engineering Congress (WFEO) jointly with IE (I), 2000 at Science City, Kolkata
- Organized CSI Eastern Regional Conference, 1999 (as Program Chair) on "IT Superpower", Park Hotel, Kolkata
- Organized Platinum Jubilee Celebration of IE (I) at Science City, Kolkata
- Organized Platinum Jubilee Celebration of West Bengal State Centre of IE (I) at Science City, Kolkata etc.

Attended Conference /Seminars /Symposium

International

Attended International Seminars /Workshops /Conferences and presented Research Papers in Jeju Island, Korea; Daejon, Korea; Liverpool, UK; Dubai, UAE; Kathmandu, Nepal; Busan, Korea; Singapore; Krabi , Thailand; Bandos Island, Maldives; Seoul , Korea; Bangkok , Thailand; Kuala Lumpur, Malaysia; CATA-2007, USA; Marriott O'Hare, Chicago , IL , USA; Las Vegas, Nevada , USA; Seattle, WA, USA; Dijon, France; Long Beach, California, USA; Washington, DC, USA; San Diego, California , USA; Rio De Janerio, Brazil; Japan etc. in Computer Science and Engineering.

National

Participated in several National seminars and workshops and presented Research Papers organized by different Universities and Organizations in Computer Science and Engineering.

Attended Conference /Seminars /Symposium:

International:

Attended International Seminars /Workshops /Conferences and presented Research Papers in Jeju Island, Korea; Daejon, Korea; Liverpool, UK; Dubai, UAE; Kathmandu, Nepal; Busan, Korea; Singapore; Krabi , Thailand; Bandos Island, Maldives; Seoul , Korea; Bangkok , Thailand; Kuala Lumpur, Malaysia; CATA-2007, USA; Marriott O'Hare, Chicago , IL , USA; Las Vegas, Nevada , USA; Seattle, WA, USA; Dijon, France; Long Beach, California, USA; Washington, DC, USA; San Diego, California , USA; Rio De Janerio, Brazil; Japan etc. in Computer Science and Engineering.

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Organized Conference/Seminar/Symposium:

- Organized National Conference (as Program Chair) on "India Emerging IT Superpower" of CSI, November, 2001at Science City, Kolkata

- Organized International Conference on "Sustainable Development" of World Federation of Engineering Congress (WFEO) jointly with IE (I), 2000 at Science City, Kolkata

- Organized CSI Eastern Regional Conference, 1999 (as Program Chair) on "IT Superpower", Park Hotel, Kolkata

- Organized Platinum Jubilee Celebration of IE (I) at Science City, Kolkata

- Organized Platinum Jubilee Celebration of West Bengal State Centre of IE (I) at Science City, Kolkata.

Important Research Publications in Journals:

2025

1. Sabyasachi Pramanik, Ahmed J. Obaid, Niranjana Murthy, and Samir K Bandyopadhyay, Applications of Big Data in Clinical Applications, Al-Kadhum 2nd International Conference on Modern Applications of Information and Communication Technology, AIP Conf. Proc. 2591, https://doi.org/10.1063/5.0119414, 2025.

2. Suryabrata Das, Payal Bose, Sanjay Nag, Samir Kumar Bandyopadhyay and Shawni Dutta, Innovative Skin

Disease Diagnosis: A Hybrid Learning Framework for Skin Cancer Detection, Book Chapter, Springer, https://doi.org/10.1007/978-981-96-4539-8_6, 2025.

3.   S.K. Bandyopadhyay. The Application of Artificial Intelligence in the Treatment of Alzheimer's disease. Healthcare Studies, 3(2):26–32, https://doi.org/10.58612/hs324, 2025.

4.   P. Bose, S.K. Bandyopadhyay. Organic Component Identification using Syntactic Pattern Recognition. In A. Sreenivasan (Eds). Issues on Health Science. Pages172-177, Zen Toks Books, India. ISBN: 978-81-958975-1-3,2025.

2024

1.   Shawni Dutta, Samir Kumar Bandyopadhyay, Midhun Chakravarthy Janarthanan, Payal Bose, A Predictive Modeling to Assess the Underlying Risks of Stroke. Lecture Notes in Networks and Systems, Vol. 915. Springer, Singapore, https://doi.org/10.1007/978-981-97-0700-3_50, 2024.

2.   Payal Bose and Samir Bandyopadhyay, A Comprehensive Assessment and Classification of Acute Lymphocytic Leukemia, Mathematical and Computational Applications 29, no. 3: 45. https://doi.org/10.3390/mca29030045, 2024.

3.   Sanjay Nag, Nabanita Basu, Payal Bose, and Samir Kumar Bandyopadhyay, A Novel Grammar-Based Approach for Patients' Symptom and Disease Diagnosis Information Dissemination to Maintain Confidentiality and Information Integrity, Bioengineering 11, no. 12: 1265. https://doi.org/10.3390/bioengineering11121265, 2024.

4.   Samir Kumar Bandyopadhyay, et.al., Innovative Skin Disease Diagnosis A Hybrid Learning Framework for Skin Cancer Detection, 2024

2023

1.   Payal Bose, Shawni Dutta, Vishal Goyal, Samir K. Bandyopadhyay, A Graphical-Based Video Steganography for Information Security, In: Kaiser, M.S., Xie, J., Rathore, V.S. (Eds.) Information and Communication Technology for Competitive Strategies (ICTCS 2021). Lecture Notes in Networks and Systems, vol. 401. Springer, Singapore, https://doi.org/10.1007/978-981-19-0098-3_52, 2023.

2.   Shawni Dutta, Payal Bose, Samir Kumar Bandyopadhyay, Midhun Chakravarthy Janarthanan, A Novel SARS-COV-2 Variant Omicron Disseminating Evaluation, In: Reddy, A.B., Nagini, S., Balas, V.E., Raju, K.S. (eds) Proceedings of Third International Conference on Advances in Computer Engineering and Communication Systems, Lecture Notes in Networks and Systems, Vol. 612. Springer, Singapore, https://doi.org/10.1007/978-981-19-9228-5_5, 2023.

3.   Shawni Dutta, Payal Bose, Samir Kumar Bandyopadhyay, Midhun Chakravarthy Janarthanan, An Intelligent Approach for Investigating Water Quality Using Machine Learning Models, In: Noor, A., Saroha, K., Pricop, E., Sen, A., Trivedi, G. (eds) Proceedings of Third Emerging Trends and Technologies on Intelligent Systems. ETTIS 2023. Lecture Notes in Networks and Systems, Vol. 730. Springer, Singapore, https://doi.org/10.1007/978-981-99-3963-3_5, 2023.

4.   Shawni Dutta, Payal Bose, Samir Kumar Bandyopadhyay (2023), Forecasting Health Insurance Premium Using Machine Learning Approaches, Asia-Pacific Journal of Science and Technology.

2022

1.   Payal Bose, Samir K. Bandyopadhyay, Human Motion Detection and Recognition from Video Surveillance Based on Machine Learning Approaches. In: Zhang YD., Senjyu T., So-In C., Joshi A. (eds) Smart Trends in Computing and Communications. Lecture Notes in Networks and Systems, Vol. 286. Springer, Singapore. https://doi.org/10.1007/978-981-16-4016-2_51, 2022.

2.   Payal Bose, Samir K. Bandyopadhyay, Amiya Bhaumik, Sandeep Poddar, An Application for Facial Image Beautification. In: Hu, YC Tiwari S, Trivedi, M.C., Mishra, K.K. (eds) Ambient Communications and Computer Systems. Lecture Notes in Networks and Systems, Vol. 356. Springer, Singapore, https://doi.org/10.1007/978-981-16-7952-0_12, 2022.

2021

1. Prediction of Weight Gain during COVID-19 for Avoiding Complication in Health- Published in International Journal of Medical Science and Current Research, 2021.

2. A Method for Brain Tumour Texture Analysis- Published in Journal of Quality in Health Care & Economics, 2021.

3. A crucial Psychological Analysis of Mental Anxieties of Job-seekers and Working Classes in Society- Accepted in Psychiatria Danubina, 2021.

2020

1. Prof. Samir Kumar Bandyopadhyay, et.al., Problems and Solutions due to Mental Anxiety of IT Professionals Work at Home during COVID-19, Psychiatria Danubina, 2020.

2. Prof. Samir Kumar Bandyopadhyay, et.al., Breast Cancer Prediction Using Stacked GRU-LSTM-BRNN, Advance Computer System, 2020.

3. Shawni Dutta and Prof. Samir Kumar Bandyopadhyay, "Early Detection of Heart Disease Using Gated Recurrent Neural Network", Asian Journal of Cardiology Research, 2020.

4. Shawni Dutta and Prof. Samir Kumar Bandyopadhyay, "Machine learning approach for confirmation of COVID-19 cases: positive, negative, death and release", IBEROAMERICAN JOURNAL OF MEDICINE, 2020.

5. Prof. Samir Kumar Bandyopadhyay, et.al., Analysis of Fake News in Social Medias for Four Months during Lockdown in COVID-19, Published in Xeno Journal of Biomedical Sciences ,2020.

6. Prof. Samir Kumar Bandyopadhyay, et.al., Stacked Bi-directional LSTM Layer Based Model for Prediction of

Possible Heart Disease during Lockdown Period of COVID-19- Published in Journal of Advanced Research in Medical Science and Technology, 2020.

2019

7. Prof. Samir Kumar Bandyopadhyay, et.al., "Critical Analysis of Malaria Parasite Detection Using Machine Learning Technique", Journal of Medical Imaging and Health Informatics, 2020.

8. Prof. Samir Kumar Bandyopadhyay, et.al., Application of Machine Intelligence in Digital Pathology Identification of Falciparum Malaria in Thin Blood Smear Image. In O. P. Verma, S. Roy, S. C. Pandey, & M. Mittal (Eds.), Advancement of machine intelligence in interactive medical image analysis, Springer Nature, 2019.

9. Prof. Samir Kumar Bandyopadhyay, et.al., Image feature based high capacity Steganographic Algorithm. Multimedia Tools and Applications, Springer, 2019.

10. Prof. Samir Kumar Bandyopadhyay, et.al., Methods for Flipping of Mammogram Images and Noise Removals. Innovative Journal of Medical and Health Science, Elsevier, 2019.

2018

1. Prof. Samir Kumar Bandyopadhyay, et.al, "An Implementation for Framework for Chemical Structure using Graph Grammar", Journal for Research, Vol. 03, PP. 58-66, 2018.

2. Prof. Samir Kumar Bandyopadhyay, et.al, "Analysis of golden face based on semantic annotation of image", Journal of Engineering Technology, Vol. 6, Special Issue (Emerging Trends in Engineering Technology), PP. 245-257, 2018.

3. Prof. Samir Kumar Bandyopadhyay, et.al, "Applications of Bloodstain Pattern Interpretation for a Murder Case", International Journal of Trend in Research and Development, Vol. 5, PP.339-340, 2018.

4. Dr. Samir Kumar Bandyopadhyay, "Arthritis- A Review on Two Types", Causes & Treatments in Arthritis, PP.1-2, 2018.

5. Dr. Samir Kumar Bandyopadhyay, "Brain Tumor Causes Neurological Disorders in Brain", International Journal of Alzheimer's & Neurological Disorders, Vol.1, PP.1-7, 2018.

6. Dr. Samir Kumar Bandyopadhyay, et.al, "Malaria Disease Diagnosis-Current Status of CAD Based Approach", Cohesive Journal of Microbiology & Infectious Disease, Vol.5, PP.1-7, 2018.

7. Dr. Samir Kumar Bandyopadhyay, et.al, "Detection of Brain Tumor in Early Stage is Crucial", Current Trends in Biomedical Engineering & Biosciences, Vol.78, PP.1-3, 2018.

8. Dr. Samir Kumar Bandyopadhyay, et.al, "A Method for Sex Prediction from Transfer Stains", Forensic Science & Addiction Research, Vol.58, PP. 1-4, 2018.

9. Dr. Samir Kumar Bandyopadhyay, et.al, "Nanotechnology uses Detection of Brain Tumor-A Review", Global Journal of Nanomedicine, Vol. 67, PP.1-4, 2018.

10. Prof. Samir Kumar Bandyopadhyay, et.al, "Heterogeneity of human brain tumor with lesion identification, localization, and analysis from MRI", Informatics in Medicine Unlocked, Elsevier, Vol.54, PP.1-12, 2018.

11. Dr. Samir Kumar Bandyopadhyay, et.al, "Identification of the Important Persons with Gender from Video

Images", International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Vol. 3, PP. 2456-3307, 2018.

12. Dr. Samir Kumar Bandyopadhyay, et.al, "Foot Boundary Analysis for Crime Investigation", International Journal of Computer Science Trends and Technology, Vol. 6, 2018.

13. Prof. Samir Kumar Bandyopadhyay, et.al, "Computer Aided Diagnosis Based Malarial Parasite Detection- A Review", International Journal of Experimental and Clinical Research, Vol.113, PP.1-34, 2017.

14. Dr. Samir Kumar Bandyopadhyay, et.al, "Image Binarization for the uses of Preprocessing to
15. Detect Brain Abnormality Identification", Journal for Research, Vol. 04, PP.1-4, 2018.

16. Dr. Samir Kumar Bandyopadhyay, et.al, "Image Feature Based High Capacity Steganographic ", Algorithm", Results in Physics, Elsevier, PP.1-27, 2018.

17. Dr. Samir Kumar Bandyopadhyay, "Changes of Brain Anatomy affects Abnormalities in Brain", Journal of Anatomy Forecast, Vol. 112, PP. 1-4, 2018

18. Prof. Samir Kumar Bandyopadhyay, et.al, "A Robust Visual Cryptography Scheme for Imperceptible Distribution of Secret Message without Pixel Expansion", International Journal of Advanced Trends in Computer Science and Engineering, Vol. 4, PP.1-12, 2018.

19. Dr. Samir Kumar Bandyopadhyay, et.al, "Nanotechnology helps for Preparation of Drug for Detection of Brain Tumor", Journal of Nanomedicine Research, Vol.6, PP1-3, 2018.

20. Prof. Samir Kumar Bandyopadhyay, "Kidney Disease Analysis-A Study", Journal of Clinical Nephrology and Research, Vol., PP.,2018.

21. Dr. Samir Kumar Bandyopadhyay, "Method for Abnormal and Normal Tissue Detection of MRI", International Journal of clinical and medical science, Vol., PP., 2018.

22. Dr. Samir Kumar Bandyopadhyay, et.al, "Nanotechnology uses Detection of Brain Tumor-A Review", Global Journal of Nanomedicine, Vol., PP., 2018.

23. Prof. Samir Kumar Bandyopadhyay, "A Case Study for detecting and diagnosing Hypospadias", Journal of Clinical Nephrology and Research Vol. PP., 2018.

24. Dr. Samir Kumar Bandyopadhyay, et.al, "Preprocessing of Artifacts Removal from Skull", Current Trends in Biomedical Engineering & Biosciences, Vol., PP., 2018.

25. Dr. Samir Kumar Bandyopadhyay, "Review on Recent Methods for Extraction of Clinical Information for Detection of Brain Tumour", Vol., PP, 2018.

26. Dr. Samir Kumar Bandyopadhyay, "RISK FACTORS FOR PREVENTING CARDIAC ARREST", European Journal of Biomedical AND Pharmaceutical sciences Vol., PP., 2018.

27. Dr. Samir Kumar Bandyopadhyay, "A Proposed Method for Image Steganography", Research in Medical & Engineering Sciences Vol., PP., 2018.

28. Dr. Samir Kumar Bandyopadhyay, et.al, "The Study of Bloodstain Patterns Release from Blood Drops in a

Crime Scene", Forensic Science & Addiction Research, Vol., PP., 2018.

29. Dr. Samir Kumar Bandyopadhyay, "Analysis for Crime Scene Investigation and Reconstruction", Forensic Science & Addiction Research, 2018.

30. Prof. Samir Kumar Bandyopadhyay, et.al, "Blind Key Based Attack Resistant Audio Steganography Using Cocktail Party Effect", Hindawi Security and Communication Network, 2018.

31. Dr. Samir Kumar Bandyopadhyay, et.al, "DETECTION OF MULTIPLE SCLEROSIS - A PROPOSED METHOD", European Journal of Pharmaceutical and Medical Research, 2018.

32. Dr. Samir Kumar Bandyopadhyay, et.al, "HEMORRHAGE LESIONS SEGMENTATION AND DETECTION" European Journal of Biomedical and Pharmaceutical Sciences, 2018.

33. Prof. Samir Kumar Bandyopadhyay, et.al, "Quantitative analysis of Euclidean distance to complement qualitative analysis of facial expression during deception", Industrial Psychiatry Journal, 2018.

34. Dr. Samir Kumar Bandyopadhyay, "Analysis for Crime Scene Investigation and Reconstruction", Forensic Science & Addiction Research, 2018.

2017

1. Sudipta Roy, Prof. Debnath Bhattacharyya, Prof. Samir Kumar Bandyopadhyay, Prof. Tai-Hoon Kim, "An Improved Brain MR Image Binarization Method as a Preprocessing for Abnormality Detection and Features Extraction", Front. Computer Science Springer, Vol. 10, PP.1-16, 2017.

2. Sudipta Roy, Prof. Debnath Bhattacharyya, Prof. Samir Kumar Bandyopadhyay and Prof. Tai-Hoon Kim, "An effective method for computerized prediction and segmentation of multiple sclerosis lesions in brain MRI", Computer Methods and Programs in Biomedicine, Elsevier, Vol.140, PP. 307–320, 2017.

3. Nabanita Basu and Prof. Samir Kumar Bandyopadhyay, "Bloodstain pattern analysis – A less explored domain", International Journal of Applied Research, Vol. 3, PP. 200-211, 2017.

4. Nabanita Basu and Prof. Samir Kumar Bandyopadhyay, "IMPACT OF BLOODSTAIN PATTERN ANALYSIS IN CRIME SCENE INVESTIGATION", INTERNATIONAL JOURNAL OF ADVANCED RESEARCH, Vol.5, PP. 540-552, 2017.

5. Basu N and Bandyopadhyay S K, "A Case Study on Sexually Harass Women in a Crime Spot", Austin Journal of Forensic Science and Criminology, Vol. 4, PP. 1-4, 2017.

6. Mousumi Ghanti and Prof. Samir Kumar Bandyopadhyay, "A method for encryption of secret message", International Journal of Applied Research, Vol. 3, PP.115-117, 2017.

7. Mousumi Ghanti and Prof. Samir Kumar Bandyopadhyay, "A Proposed Method for Cryptography using Random Key and Rotation of Text", International Journal of Advanced Trends in Computer Science and Engineering, Vol. 6, PP.18-22, 2017.

8. Mrs. Sayantani Ghosh and Prof. Samir K. Bandyopadhyay, "A Proposed Method for Semantic Annotation on Social Media Images", International Journal of Engineering and Computer Science, Vol.6, PP.21737-21742, 2017.

9. Madhurima Banerjee and Prof. Samir Kumar Bandyopadhyay, "A REVIEW ON IMAGE REGISTRATION ON PRINCIPLE AXES METHOD AND MUTUAL INFORMATION METHOD", Int. J. Adv. Res, Vol.5, PP. 1404-1409, 2017.

10. Sudipta Roy, Prof. Debnath Bhattacharyya, Prof. Samir Kumar Bandyopadhyay & Prof. Tai Hoon Kim," An Iterative Implementation of Level Set for Precise Segmentation of Brain Tissues and Abnormality Detection from MR Images", IETE Journal of Research, Taylor and Francis, PP.1-16, 2017.

11. Ranjita Chowdhury and Prof. Samir Kumar Bandyopadhyay, "Analyze of some common brain diseases", International Journal of Applied Research, Vol. 3, PP.181-186, 2017.

12. Sujit Kumar Das, Rahul Debnath and Prof. Samir Kumar Bandyopadhyay, "APPROACH FOR EMOTION RECOGNITION FROM FACIAL EXPRESSIONS", International Journal of Recent Scientific Research, Vol. 8, PP. 17434-17437, 2017.

13. Sudipta Roy, Prof. Debnath Bhattacharyya, Prof. Samir K Bandyopadhyay and Prof. Tai-Hoon Kim, "Artifacts and Skull Stripping: An Application towards the Preprocessing for Brain Abnormalities Detection from MRI", International Journal of Control and Automation, Vol. 10, PP.147-160, 2017.

14. MS Tanusree ghorui and Prof. Samir Kumar Bandyopadhyay, "Asymmetric key algorithms-A Proposed Method", International Journal of Engineering and Computer Science, Vol. 6, PP. 21222-21224, 2017.

15. Souma Pal and Prof. Samir Kumar Bandyopadhyay, "Bi-Level image steganography", International Journal of Applied Research, Vol. 3, PP. 907-911, 2017.

16. Prof. Samir Kumar Bandyopadhyay and Nabanita Basu, "Bloodstain Pattern Analyst -Analyzed a Real Case", Journal of Forensic Studies, Vol.2016, PP.1-6, 2017.

17. Debjyoti Ghosh and Prof. Samir Kumar Bandyopadhyay, "Brain tumor detection from MRI image: An approach", International Journal of Applied Research, Vol.3, PP. 1152-1159, 2017.

18. Mrs. Sayantani Ghosh and Prof. Samir Kumar Bandyopadhyay," Comprehensive Overview of Existing Semantic Annotation Approaches", International Journal of Computer science engineering Techniques, Vol. 2, PP.31-45, 2017.

19. Ranjita Chowdhury and Prof. Samir Kumar Bandyopadhyay, "Detection of Stroke: A Proposed Method", International Journal of Applied Research, Vol. 3, PP. 593-599, 2017.

20. Riya Porel, Sharanya Mazumdar, Trishita Mukherjee, Varun Kumar Sah, Prof. Subhojit Malik and Prof. Samir Kumar Bandyopadhyay, "EDGE DETECTION FOR FOOTPRINT USING DISCRETE WAVELET TRANSFORM", World Journal of Engineering Research and Technology, Vol. 3, PP. 484 -492, 2017.

21. Surajit Malik, Mrinal Mandal and Prof. S. K. Bandyopadhyay, "Grammatical Error Checking and Polarity Determination of a Simple Sentence", Global Research and Development Journal for Engineering, Vol. 2, PP.142-146, 2017.

22. Riya Porel., Sharanya Mazumdar., Trishita Mukherjee., Varun Kumar Sah., Subhojit Malik and Bandyopadhyay, S.K Prof., "IDENTIFICATION OF FOOTPRINT FOR CRIME SCENE ANALYSIS", International Journal of Recent Scientific Research, Vol. 8, PP. 16117-16121, 2017.

23. Barnali Gupta Banik, Manish Kumar Poddar and Prof. Samir Kumar Bandyopadhyay, "Image steganography using a histogram of discrete cosine transform", Computer, Communication and Electrical Technology, Taylor & Francis Group, PP.19-25, 2017.

24. Sunita Roy and Prof. Samir K Bandyopadhyay, "Iris recognition using biometric techniques", International Journal of Applied Research, Vol. 3, PP. 822-823, 2017.

25. RAJ R. PARMAR, SUDIPTA ROY1, PROF.DEBNATH BHATTACHARYYA, PROF.SAMIR KUMAR BANDYOPADHYAY and PROF. TAI-HOON KIM4, "Large-Scale Encryption in the Hadoop Environment: Challenges and Solutions", IEEE Access, VOL. 5, PP. 7156-7163, 2017.

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