Abhisek Sethy, Ph.D.

Designation : Senior Assistant Professor

Department : Department of Computer Science & Engineering

(JOINED THE INSTITUTE IN 2022)

Contact : +918908889975 (M), +919439925321 (M)

Email : abhisek.sethy@silicon.ac.in, abhisek052@gmail.com

RESEARCH INTERESTS
- ✓ Image Processing
- ✓ Pattern Recognition
- ✓ Machine learning
- ✓ Computer Vision

Academic Qualifications

Ph. D (CSE): OUTR University (CET, BBSR), (BPUT,RKL),Odisha, India.

M. Tech (CSE): SOA University, BBSR, Odisha, India.

B. Tech (CSE): Biju Patnaik University of Technology (BPUT, RKL), Odisha, India.

Teaching Experience/Industrial Experience/Research Experience
- ✓ More than 12 years of Experience
- ✓ Academic: 9years
- ✓ Research : 3 years

JOURNAL

[1]. Sundar, R., Purushotham Reddy, M., **Sethy, A.**, Selvam, K., Abidin, S., Chakrabarti, P & Selvan, P. (2024). Cloud computing encrypted image retrieval strategy in cloud computing using a hybrid optimization algorithm. Journal of Intelligent & Fuzzy Systems, (Preprint), 1-15.

[2]. **Sethy, A.,** Rout, A. K., Uriti, A., & Yalla, S. P. (2023). A Comprehensive Machine Learning Framework for Automated Book Genre Classifier. *Revue d'Intelligence Artificielle*, *37*(3), 745.

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[10]. **Abhisek Sethy**, Dr. Ajit Kumar Raut,"Employee Attrition Rate Prediction Using Machine Learning Approach", *Turkish Journal of Physiotherapy and Rehabilitation*; 32(3) ISSN 2651-4451 | e-ISSN2651 446X

[11]. Dr. Ajit Kumar Raut, **Abhisek Sethy**, "Self-Adaptive Social Spider Algorithm optimization for Solving Travelling Salesman Problem", Turkish Online Journal of Qualitative Inquiry (TOJQI) Volume 12, Issue 7, July 2021:3577-3588.

[12]. Nagaraju, V., **Abhisek Sethy**, Raja SarathKumarBoddu, S. Balambigai, and K. Sakthisudhan. "Diagnosed image of breast cancer by antenna MVDR beam forming algorithm with composites." *Materials Today: Proceedings*(2021).

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[14]. **A. Sethy** and P.K Patra" Off-lineOdiaHandwrittenCharacters Recognition: An Axis Constellation Model Based Approach " International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8, Issue- 9S2, July 2019.

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ANY OTHER

BOOK CHAPTER

[1]. **Sethy, Abhisek**, Shaik, Nazeer, Yadavalli, Pavan Kumar and Anandaraj, S. P.. "9 AI: issues, concerns, and ethical considerations". Toward Artificial General Intelligence: Deep Learning, Neural Networks, Generative AI, edited by Victor Hugo C. de Albuquerque, Pethuru Raj and Satya Prakash Yadav, Berlin, Boston: De Gruyter, 2024, pp. 189-212. https://doi.org/10.1515/9783111323749-009.

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[5]. **A. Sethy** and P. K Patra, "R-HOG Feature Based Off-Line Odia Handwritten Character Recognition",DOI:10.4018/978-1-7998-0066-

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PATENT

[1]. Patent Title : **Design of an Real Time Smart Health Care System Through Data Mining**.
Patentee Names: Dr. Dinesh Kumar, Dr. P. Eswaran,Dr. D. Daniel, Dr. Satyadhyan Chickerur, **Abhisek Sethy**
Patent Application Number: 201941041826
Date of Publication: 25/10/2019

[2]. Patent Title: **Motivational Recommendation System And Method**
Patentee Names: Dinesh Kumar Anguraj, Deepak V, R. S. Raghav, **Abhisek Sethy,** Kalaipriyan Thirugnanasambandam
Patent Application Number: 201941041826
Date of Publication: 20/03/2020

[3]. Patent Title: **Breast Cancer Prediction System And Method For Early detection**
Patentee Names : Dr. Shahina Parveen M, Syed Thouheed Ahmed,Dr. S. Sreedhar Kumar, M. Ramkumar, **Mr. Abhisek Sethy**, Mr. S. S. Aravinth, Dr. M. Rameshkumar
Patent Application Number: 202041021242
Date of Publication: 05/06/2020

[4]. Patent Title: **An ArtificialIntelligence Based System For Detection Of Covid Influence On Human Skin**
Patentee Names : Arjunagi, Shravankumar; Biradar, Siddalingappagouda Dr; Chandnani, Neeraj; G., Pavithra Dr; H, Girish Dr; Jose, Deepa Dr; Malathi, P. Sree Rathna; Madiwal, Shweta M; Manjunath, T.C. Dr; Meena, Mamta Dr; Perugu, Prathusha Dr; Ranjani, R Dr; Sekhar, Ch.Punya Dr; **Sethy, Abhisek**; Sirisha, G.; Urkude, Ashish Manohar Dr; Urkude, Mrs Surekha Ashish
Patent Application Number: 2021102184
Date of Grant : 01-07-2021.

[5]. Patent Title: **Method for Minimizing the Battery Power Usage in Mobile Ad Hoc Networks**
Patentee Names : A., Asha; Ganesan, Manikandan; Guttula, Ramakrishna; John, Pradeep; K.R, Ishwarya; Mondal, Sanjoy; P.T., Kalaivaani; Sattaru, Naveen Chakravarthy; **Sethy, Abhisek**; T., Subramani
Patent Application Number: 2021102440
Date of Grant: 24/06/2021.

[6]. Patent Title: **SmartHelmetgranted**
Patentee Names : Dr. Srinivas Prasad,Dr. Soumya Ranjan Nayak, Prof. (Dr.) Sunil KumarDhal,Dr. Saraju Prasad, Dr. Sudhir Kumar Mohapatra, **Abhisek Sethy,** Jaskirat Kaur, Dr. Manas Ranjan Senapati, A Ambikapathy,YogeshKumar, BrijeshKumar
Patent Application Number: 353451-001
Date of Publication: 07/01/2022

[7]. Patent Title : **A System With Deep Learning And Internet Of Things-Based Investigation And Evaluation Of Algorithms For Analyzing Athletic Health Records.**
Patentee Names :**Dr. Abhisek Sethy,** Dr. RavuKumarPoluru, Dr.Vijendra

Pratap Singh, Mr. Ambui Kumar Misra, Ms.Nandita
Manavar, Mr. SYuvraj, Mr.Kothapalli Ramesh Chandra, Dr. Sanjeev
Kumar, Ms. Thilagavathi T, Mr. Anil Kumar Gona.
Patent Application No :202331003466
Date of Publication:20.01.2023.

[8]. Design Patent Title: **AI Based Device For Infusion Of Cancer Vaccine**
Applicant Name : Dr. D. Nagaraju, **Dr. Abhisek Sethy,** Dr. V. Porkodi, J.
Rajyalakshmi, Dr. K. Maithili.
Date of Grant : 05/12/2023