Dr. Bibudhendu Pati

Designation: Associate Professor

Qualification: BE (CSE) Hons, ME (CSE), MBA (IT), Ph.D. (CSE) IIT Kharagpur

Date of Birth: 09.07.1974

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Google Scholar: https://scholar.google.com/citations?user=PodFnXQAAAAJ&hl=en
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WOS: https://www.webofscience.com/wos/author/record/677442
SCOPUS: https://www.scopus.com/authid/detail.uri?authorId=56439232500
ResearchGate: https://www.researchgate.net/profile/Bibudhendu-Pati
DBLP: https://dblp.org/pid/128/3111.html

Area of Interest

- Internet of Things
- Wireless Sensor Networks
- Cloud Computing
- Advanced Computer Networks

Courses taught

Computer Networks, Data Structure using C, Operating Systems, Microprocessor, Logic Design, Programming in C, Wireless Sensor Networks, Internet of Things, Artificial Intelligence, Research Methodology, Research and Publication Ethics

Career

Associate Professor (2018 – Till date) Rama Devi Women's University, Bhubaneswar

Professor (2018): S 'O' A Deemed University, Bhubaneswar

Associate Professor (2014-2018): C. V. Raman College of Engineering, Bhubaneswar

Assistant Professor (1998-2013): Seemanta Engineering College, Mayurbhanj

Assistant Manager, Systems (1996-1998): Tata Iron & Steel Co. Ltd. Jamshedpur

Teaching Experience

25 years

Research Experience

18 years

Administrative/Executive Experience (only prominent/statutory roles including membership of academic council/syndicate/board of studies. Avoid mere membership in committees)

1. Head, Department of Computer Science, Rama Devi Women's University, Bhubaneswar, Sept. 2022 to till date
2. Chairman, Department Research Committee, Department of Computer Science, Rama Devi Women's University, Bhubaneswar, 2022 - 2024
3. OIC, ICT Cell, Rama Devi Women's University, Bhubaneswar, Dec. 2020 to till date
4. Mentor, NAAC, All affiliated colleges under Rama Devi Women's University, Bhubaneswar, 2020 to till date
5. OIC, P.G. Admission, Rama Devi Women's University, Bhubaneswar, Dec. 2020 to till date
6. Coordinator, University Research & Development Committee, Rama Devi Women's University, Bhubaneswar, Dec. 2020 to till date
7. Coordinator, Department of Math, Rama Devi Women's University, Bhubaneswar, 2020-2022
8. Head, Department of Computer Science, Rama Devi Women's University, Bhubaneswar, 2018-2020
9. Chairman, Board of Studies, Department of Computer Science, Rama Devi Women's University, Bhubaneswar, 2018-2020
10. Coordinator, IQAC, Rama Devi Women's University, Bhubaneswar, 2018-2020
11. Chairman, Subject Research Committee, Department of Computer Science, Rama Devi Women's University, Bhubaneswar, 2019-2020
12. OIC, Outside Exam, Rama Devi Women's University, Bhubaneswar, 2019-2022
13. OIC, UGC, Rama Devi Women's University, Bhubaneswar, 2018-2020
14. Coordinator, Unnat Bharat Abhiyan (UBA), Rama Devi Women's University, Bhubaneswar, 2018-2020
15. OIC, Student I-Card, Rama Devi Women's University, Bhubaneswar, 2018- till date
16. Deputy Co-ordinator, World Bank – Institutional Development Project (IDP), Rama Devi Women's University, Bhubaneswar, 2019-2020
17. OIC, National Academic Depository (NAD), Rama Devi Women's University, Bhubaneswar, 2018- 2020
18. Head, Department of Computer Science & Engineering, C. V. Raman College of Engineering, Bhubaneswar, 2014-2018
19. Coordinator, IQAC, C. V. Raman College of Engineering, Bhubaneswar, 2016-2017
20. Head, Department of MCA, Seemanta Engineering College, Mayurbhanj, 1998-2008
21. Assistant Manager, Systems (1996-1998): Tata Iron & Steel Co. Ltd. Jamshedpur

Awards & Honors (including travel support award)

Senior Research Fellow Award, CSIR, India
Senior Research Fellow Award, MHRD, India
Young Scientist Award, Indian Society of Technical Education, India
Best Teacher Award, Computer Society of India

Research Guidance

- ✓ PhD thesis supervised : **05 (Five)**
- ✓ M Tech/M.Phil thesis supervised : **M.Tech: 26 (Thirty Six)/ M.Phil: 02 (Two)**
- ✓ M.Sc. thesis supervised : **20 (Twenty)**

Research Grants (All research grants including seed funds)

S. No	Title of the project	Funding Agency	Amount	Sanction year & duration
1	Design of Cost Efficient Allocation Model for Resource Management in Cloud Environment	DST, Govt. of Odisha	7.11Lakhs	2022 (Three Years)

Publications

Patents (Entire list of patents/copyrights etc.)

Patent no.	Patent type	Patent title	Year of filing	Name of Inventor(s)	Status
2020102321	Australian Patent	DATALET: AN APPROACH TO MANAGE BIG VOLUME OF DATA IN CYBER FORAGED ENVIRONMENT	2020	B.Pati et al.	Published
202131052675 A	Indian Patent	AN IOT BASED CHILD HEALTH MONITORING SYSTEM FOR RURAL AREA AND METHOD	2021	S.Nayak, S.Parida, B.Pati, C.Panigrahi at al.	Published

Journal publications (Give the entire list of publication in Scopus/SCI-WoS/UGC care only)

1. Bebortta S., Senapati D, Panigrahi C., **Pati B.** (2022). An adaptive modeling and performance evaluation framework for edge-enabled green IoT systems IEEE Transactions on Green Communications and Networking [SCOPUS, SCI, Impact Factor: 3.525].
2. Bebortta S., Senapati D, Panigrahi C., **Pati B.** (2022). An adaptive performance modeling framework for QoS-aware offloading in MEC-based IIoT systems, IEEE Internet of Things Journal [SCOPUS, SCI, Impact Factor: 10.238].
3. Sarkar J.L., Majumder A., Panigrahi C.R., Roy S., **Pati B.** (2022). Tourism recommendation system: a survey and future research directions, Multimedia Tools and Applications, pp. 1-45, Springer [SCOPUS].
4. Panda B., Panigrahi C. R., **Pati B.** (2022). Patient reviews analysis using machine learning, International Journal of Computational Science and Engineering, Inderscience [SCOPUS].
5. Sarkar J.L., Ramasamy V, Majumder A., **Pati B.,** Panigrahi C. R., Wang W., Qureshi NMF, Su C., Dev K.(2022). I-Health: SDN-Based Fog Architecture for IIoT Applications in Healthcare, IEEE/ACM Transactions on Computational Biology and Bioinformatics, pp. 1-8, DOI: 10.1109/TCBB.2022.3193918 [SCOPUS].
6. Parida S., **Pati B**., Nayak S.C., Panigrahi C. R. (2022). eMRA: an efficient multi-optimization based resource allocation technique for infrastructure cloud, Journal of Ambient Intelligence and Humanized computing, pp. 1-19, Springer [SCOPUS].
7. Trivedi R., **Pati B**., Panigrahi C.R. (2022). wPOI: Weather-Aware POI Recommendation Engine. Computación y Sistemas, 26(2) [SCOPUS].
8. Pattanaik S., Sahoo B.K., Panigrahi C. R., Patnaik B.K., **Pati B.** (2022). Test Case Generation using Symbolic Execution, Computación y Sistemas, 26(2) [SCOPUS].
9. Sarkar, J. L., Cowlessur, S. K., Ramasamy, V., **Pati B**., Selvi, T. M., Panigrahi, C. R., & Qureshi, N. M. F. (2022). FogCom: SDN-enabled fog node selection for early detection of communicable diseases. Journal of King Saud University-Computer and Information Sciences [SCOPUS].
10. Mansingh, P., Pattanayak, B. K., & **Pati, B**. (2022). Big Medical Image Analysis: Alzheimer's Disease Classification Using Convolutional Autoencoder. Computación y Sistemas, 26(4). [SCOPUS]
11. Nayak S., Panigrahi C. R., **Pati B.,** Nanda S., Hsieh M.Y. (2021). Comparative Analysis of HAR Datasets using Classification Algorithms, COMSIS Journal, 19(1) [SCOPUS,SCI, Impact Factor: 1.167]
12. Sarkar J. L., Ramasamy V, Majumder A. , Panigrahi C. R., **Pati B.,** Saha A. K. (2021) SensMask: An Intelligent Mask for Assisting Patients During COVID-19 Emergencies. Computación y Sistemas, 25(3), pp. 483–492, ISSN 2007-9737 [SCOPUS]
13. Panigrahi C. R., Sarkar J.L., **Pati B.,** Buyya R., Mohapatra P., Majumder A. (2021), Mobile Cloud Computing and Wireless Sensor Networks: A review, integration architecture, and future directions, IET Networks, [SCOPUS].
14. Ramasamy V, Gomathy B, Sarkar J. L., Panigrahi C. R., **Pati B.**, Majumder A. (2021), DCQSH: Dynamic Conflict-Free Query Scheduling in Heterogeneous Networks during Emergency, Computación y Sistemas, 25(1), pp. 117-128 [SCOPUS].
15. Panigrahi C. R., Sarkar J. L., and **Pati B.** (2021). CPDA: A Conflict-free Periodic Data Aggregation Technique in Wireless Sensor Networks, Egyptian Informatics Journal, Elsevier, ISSN: 1110-8665, Vol. 22(3). pp. 357-362 [SCOPUS, SCI, Impact Factor: 3.943].

16. Banerjee A., Pujari A.K., **Pati B.,** Panigrahi C. R. (2020), A new unsupervised method for boundary perception and word-like segmentation of sequence, International Journal of Computational Science and Engineering, Inderscience,23(3), pp. 286-295 [SCOPUS].
17. Rath M., **Pati B.,** Panigrahi C. R., Peng S-L.(2020),Control of Congestion and Traffic Lights Using Intelligent Approaches in Smart City, International Journal of Wireless and Mobile Computing, Inderscience, [SCOPUS].
18. Banerjee A., Pujari A.K., Panigrahi C. R., **Pati B.**, Nayak S.C. and Weng T-H (2020). A new method for weighted ensemble clustering and coupled ensemble selection, Connection Science Journal.[SCOPUS, SCI, Impact Factor: 1.042].
19. Nanda S., Panigrahi C.R., **Pati B.** (2020), Emergency management systems using mobile cloud computing: A survey, International Journal of Communication Systems, e4619, [SCOPUS, SCI, Impact Factor: 2.047].
20. Ramasamy V., Gomathy B., Sarkar J.L., Panigrahi C. R., **Pati B.,** Majumder A. (2020). EMC2: An Emergency Management System Using Mobile Cloud Computing. IET Network, 9(2), pp.64-73. [SCOPUS, Impact Factor: 2.58].
21. Verma R. K., Panigrahi C. R., **Pati B.,** Joy Lal Sarkar(2019) mMedia: an Efficient Transmission Policy for Multimedia Applications Using Mobile Cloud Computing, International Journal of Sensors, Wireless Communications and Control, 9(1), pp. 32-44, ISSN: 2210-3279 [SCOPUS].
22. Verma R. K., Panigrahi C. R., **Pati B,** Sarkar J. L., and Majumder A., (2019).A Mobile Cloudlet Assisted Architecture for Handling Multimedia Applications. Computacion y Sistemas, Vol. 23, No. 4, 1261-1273 [SCOPUS].
23. Mohapatra S., Panigrahi C. R., **Pati B**., Mishra M. (2019) MSA: a task scheduling algorithm for cloud computing, International Journal of Cloud Computing, Inderscience [SCOPUS].
24. Nayak S.C., Parida S., Tripathy C., Mohanty S., **Pati B.,** Panigrahi C. R. (2019) Multicriteria decision-making techniques for avoiding similar task scheduling conflict in cloud computing, International Journal of Communication Systems, [SCOPUS, SCI, Impact Factor: 2.047].
25. Sarkar J.L., Panigrahi C.R., **Pati B.,** Saha A.K., Majumdar A. (2019). MAAS: A Mobile Cloud Assisted Architecture for Handling Emergency Situations. International Journal of Communication Systems, Wiley, [SCOPUS, SCI, Impact Factor: 2.047].
26. Panigrahi C. R., Sarkar J. L., Tiwary M., **Pati B.,** Mohapatra P. (2019). DATALET: Approach to Manage Big Volume of Data in Cyber Foraged Environment. Journal of Parallel and Distributed Systems, Elsevier, vol. 131, pp. 14-28, ISSN: 0743-7315, [SCOPUS, SCI, Impact Factor: 3.734].
27. **Pati B.,** Panigrahi C. R., Sarkar J.L. (2018). CETM: a conflict-free energy efficient transmission policy in mobile cloud computing. International Journal of Communication Networks and Distributed Systems, Inderscience, 20(2): pp. 129-142. [SCOPUS].
28. **Pati B.,** Panigrahi C. R., Sarkar J.L. (2018). CETM: a conflict-free energy efficient transmission policy in mobile cloud computing. International Journal of Communication Networks and Distributed Systems, Inderscience, 20(2): pp. 129-142. [SCOPUS].
29. Panigrahi C. R., Sarkar J. L., **Pati B.** (2018). Transmission in Mobile Cloudlet Systems with Intermittent Connectivity in Emergency Areas. Digital Communications and Networks, Elsevier, 4(1), pp. 69-75, ISSN: 2352-8648. [SCOPUS, SCIE, Impact Factor: 6.797].
30. **Pati B.,** Sarkar J. L., and Panigrahi C. R. (2017). ECS: An Energy Efficient Approach to Select Cluster-Head in Wireless Sensor Networks, Arabian Journal for Science and Engineering, Springer, Vol. 42 (2), pp. 669-676, ISSN: 2191-4281 [SCOPUS, SCI, Impact Factor: 2.334].

31. Rath M., Pattanayak B.K., **Pati B.,** Panigrahi C. R., and Sarkar J. L. (2016), Load Balanced Routing Scheme for MANET with Power Optimization, International Journal of Communication Networks and Distributed Systems, Inderscience, Vol. 19(4), ISSN:1754-3916, pp. 394-405, [SCOPUS].
32. Das H., Naik B., **Pati B.,** Panigrahi C. R. (2014). A Survey on Virtual Sensor Networks Framework. International Journal of Grid and Distributed Computing, ISSN: 2005-4262, 7(5), pp. 121-130. [SCOPUS].

Book/book chapter Publications (entire list of books/book chapters)

1. **Pati B.**, Panigrahi C.R., Mohapatra P., Li K-C (2022) Advanced Computing and Intelligent Engineering, ISBN 978-9811922244, pp. 1-1089, 21 September 2022 (***Edited Book***) [SCOPUS]
2. Sabut S.K., Ray A.K., **Pati B.**, Acharya U R. (2021) Proceedings of International Conference on Communication, Circuits, and Systems, Springer, ISBN-978-9813348653, 02 April 2021 [SCOPUS] (***Edited Book***)
3. Panigrahi C.R., **Pati B.,** Rath M., Buyya R. (2021). Computational Modeling and Data Analysis in COVID-19 Research, Emerging Trends in Biomedical Technologies and Health informatics, CRC Press, pp. 1-270. eBook ISBN9781003137481, 10 May 2021 [SCOPUS] (***Edited Book***)
4. Panigrahi, C.R., **Pati, B.,** Pattanayak, B.K., Amic, S., Li, K.-C., Advanced Computing and Intelligent Engineering, ISBN 978-981-334-299-6, pp. 1-915, 6 February 2021 [SCOPUS] (***Edited Book***)
5. Panigrahi C.R., **Pati B**., Mohapatra P., Buyya R., Li K-C (2020). Advanced Computing and Intelligent Engineering, Springer, ISBN-10: 981156583X, pp. 1-504,10 November 2020[SCOPUS] (***Edited Book***)
6. Panigrahi C.R., **Pati B.,** Mohapatra P., Buyya R., Li K-C. (2020). Advanced Computing and Intelligent Engineering, Springer, ISBN-10: 9811563527. pp. 1-439, 30 October 2020 [SCOPUS] (***Edited Book***)
7. **Pati B.,** Panigrahi C.R., Buyya R., Li K-C. (2020). Advanced Computing and Intelligent Engineering, pp. 1-616, Springer, ISBN 978-981-15-1081-6, 6 March 2020 [SCOPUS] (***Edited Book***)
8. **Pati B.,** Panigrahi C.R., Buyya R., Li K-C. (2020). Advanced Computing and Intelligent Engineering, Springer, ISBN: 978-981-15-1483-8, pp. 1-598, 4 March 2020 [SCOPUS] (***Edited Book***)
9. Panigrahi C.R., Pujari A. K., Misra S., **Pati B**., Li K-C. (2018). Progress in Advanced Computing and Intelligent Engineering, Springer, ISBN: 978-981-13-0223-7. pp. 1-609, 10 July 2018 [SCOPUS] (***Edited Book***)
10. **Pati B.,** Panigrahi C.R., Misra S., Pujari A. K., Bakshi S. K. (2019). Progress in Advanced Computing and Intelligent Engineering, Springer, Dec. 23-25, ISBN: 978-981-13-1708-8 , pp. 1-607, 8 January 2019 [SCOPUS]. (***Edited Book***)
11. Saeed K., Chaki N., **Pati B.,** Bakshi S., Mohapatra D. P., Progress in Advanced Computing and Intelligent Engineering, Springer, Vol. – I, 8 February 2018, ISBN: 978-9811068713 [SCOPUS]. (***Edited Book***)
12. Saeed K., Chaki N., **Pati B.,** Bakshi S., Mohapatra D. P., Progress in Advanced Computing

and Intelligent Engineering, Springer, Vol. – II, 21 December 2017, ISBN: 978-9811068744 [SCOPUS]. (***Edited Book***)

13. Banerjee A., Mukherjee S., Panigrahi C.R., **Pati B.,** Mall M. (2021). Analysis of COVID-19 Data using Consensus Clustering Technique, CRC Press, pp. 17-28, eBook ISBN9781003137481, 10 May 2021 [SCOPUS]
14. Nanda S., Panigrahi C. R. , **Pati B.** Rath M., Weng T-S. (2021), COVID-19 Risk Assessment Using the C4.5 Algorithm, Springer, pp. 61-74, 01 May 2021 ISBN: 978-3-030-68935-3 Online ISBN 978-3-030-68936-0 [SCOPUS]
15. Ramasamy V, Panigrahi C.R., Sarkar J.L., **Pati B.**, Majumder A., Rath M., Peng S-L. (2021). Application of Deep Learning Strategies to Assess COVID-19 Patients,Springer, pp. 27-43, 01 May 2021, ISBN: 978-3-030-68935-3, Online ISBN 978-3-030-68936-0 [SCOPUS]
16. Rath M., **Pati B.**, Panigrahi C. R. (2020), Swarm Intelligence as a Solution for Technological Problems associated with IoT, Elsevier, Paperback ISBN: 9780128182871 eBook ISBN: 9780128182888, 18th August 2020, pp. 21-45 [SCOPUS]
17. Ramasamy V, Gomathy B, Obulesu O, J.L. Sarkar, Panigrahi C. R., **B. Pati** and A. Majumder (2019), Machine Learning Techniques and Tools, Merits and Demerits, AAP, CRC Press. eBook ISBN9781003007210, pp.23-55, May 2020 [SCOPUS]
18. Panigrahi C. R., Verma R. K., Sarkar J. L. and **Pati B.** (2017), Energy-aware Issues for Handling Big Data in Mobile Cloud Computing, Mobile Big Data 2018, pp. 233-256, Springer, Print ISBN 978-3-319-67924-2, Online ISBN 978-3-319-67925-9 01, November 2017. [SCOPUS]
19. Panigrahi C. R., Mall R., **Pati B.** (2017). Chapter: Software Development Methodology for Cloud Computing and Its Impact, Resource Management and Efficiency in Cloud Computing Environments, IGI Global, ISBN13: 9781522517214, pp. 286-307. [SCOPUS]
20. Misra R., Panigrahi C. R., Panda B., and **Pati B.** (2016). Chapter: Software Design, Handbook of Research on Computational Simulation and Modeling in Engineering, IGI Global, ISBN: 978-1-4666-8824-7, pp. 416-456 [SCOPUS]
21. Panigrahi C. R., Tiwary M., **Pati B.,** and Das H. (2015). Chapter: Big Data and Cyber Foraging: Future Scope and Challenges, Techniques and Environment for Big Data Analysis – Parallel, Grid, and Cloud Computing, Springer, pp. 75-100, Print ISBN 978-3-319-27518-5, Online ISBN: 978-3-319-27520-8, 06 February 2016 [SCOPUS]

Participation in Conferences & Seminars (as invited/plenary/chair)

Session Chair: 3rd International Conference on Communications, Circuits, and Systems, KIIT University, Bhubaneswar, 2021

National Workshop on Free and Open Source Tools for Software Engineering, JMeter: An Open Source Tool, NIT Rourkela, 14th May, 2015.

National Workshop on Recent Trends in Software Testing (RTST 2015), Regression Testing of OOPs, NIT Rourkela, 11-13th May, 2015.

Session Chair: IEEE International Conference on High Performance Computing Architecture (ICHPCA 2014), C. V. Raman College of Engineering, Bhubaneswar.

Session Chair: IEEE International Conference Intelligent Human Computer Interaction, IIT Kharagpur, India, December 27-29, 2012.

Session Chair: 3rd Intl. Conference on Advanced Computing, Networking, and Informatics (ICACNI'15), KIIT University, Bhubaneswar, June 23- 25, 2015.

Session Chair: International Conference on Computational Intelligence in Data mining (ICCIDM' 16), RIT, India, December 5-6, 2016.

Session Chair: IEEE ANTS 2015, 15-18th December, Kolkata.

Session Chair: IEEE International Conference on Man and Machine Interfacing (MAMI'15), C. V. Raman College of Engineering, Bhubaneswar, India, Dec. 17-19, 2015.

Session Chair: Student Research Symposium (SRS'16), KIIT University, Bhubaneswar.

Session Chair: 5th IEEE Intl. Conference on Advances in Computing, Communications and Informatics (ICACCI'16), LNMIIT, Rajasthan, India, Sept. 21-24, 2016.

Session Chair: National Conference on Recent Trends on Information Technology, Seemanta Engineering College, Odisha, India, 2007.

Other information(s)

Conference Publications (Presented/Published in proceedings):

1. Behera A., Panigrahi C. R., **Pati B.** (2021). Unstructured Log Analysis for System Anomaly Detection-A Study, Advances in Data Science and Management, Springer, pp. 497-509. DOI: 10.1007/978-981-16-5685-9_48. [SCOPUS].
2. Mahapatra, S. K., Pattanayak, B. K., & **Pati, B.** (2022). A Hybrid Connected Approach of Technologies to Enhance Academic Performance. In Advances in Intelligent Computing and Communication: Proceedings of ICAC 2021 (pp. 281-289). Singapore: Springer Nature Singapore. [SCOPUS].
3. Banerjee A., Pujari A. K., Panigrahi C. R., and **Pati B.** (2021). Entropy Based Cluster Selection, 5th International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2020). Advanced Computing and Intelligent Engineering, Proceedings of ICACIE 2020, Springer, Singapore, 25-27 June 2020, pp. 313-321, vol 1299, Université des Mascareignes (UdM), Mauritius [SCOPUS]
4. Parida S., **Pati B.**, Nayak S. C., and Panigrahi C.R., JOB-DCA: A Cost Minimizing Jaya Optimization-Based Data Center Allocation Policy for IaaS Cloud Model. Advanced Computing and Intelligent Engineering, Proceedings of ICACIE 2020, Springer, Singapore, 25-27 June 2020, pp. 621-633, Print ISBN978-981-33-4298-9, Online ISBN: 978-981-33-4299-6, vol 1299, Université des Mascareignes (UdM), Mauritius [SCOPUS]
5. Mohapatra S. D., Nayak S.C., Parida S., Panigrahi C.R., and **Pati B**., COVTrac: Covid-19 Tracker and Social Distancing App, Advanced Computing and Intelligent Engineering, Proceedings of ICACIE 2020, 25-27 June 2020, pp. 607-619, Springer, Singapore, Print

ISBN978-981-33-4298-9, Online ISBN: 978-981-33-4299-6, vol 1299, Université des Mascareignes (UdM), Mauritius [SCOPUS]

6. Biswal A., Nanda S., Panigrahi C. R., Cowlessur S. K., and **Pati B.** Human Activity Recognition Using Machine Learning: A Review, Advanced Computing and Intelligent Engineering, Proceedings of ICACIE 2020, Springer, Singapore, 25-27 June 2020, pp. 323-333, Print ISBN978-981-33-4298-9, Online ISBN: 978-981-33-4299-6, vol 1299, Université des Mascareignes (UdM), Mauritius [SCOPUS]
7. Singh D., **Pati B.**, Panigrahi C. R., and Swagatika S. (2020), Security Issues in IoT and their Counter Measures in Smart City Applications, In Proc. of 3rd International Conference on Advanced Computing and Intelligent Engineering, ISBN-10: 9811514828, pp. 301-313. [SCOPUS].
8. Verma R.K., Singh P., Panigrahi C.R., **Pati B**. (2021). ISS: Intelligent Security System using Facial Recognition, Advanced Computing and Intelligent Engineering, Springer, ISBN 978-981-15-6583-0 [SCOPUS].
9. Mohapatra S., Panigrahi C. R., **Pati B.,** and Mishra M.(2020), A Comparative Study of Task Scheduling Algorithm in Cloud Computing, In Proc. of 3rd International Conference on Advanced Computing and Intelligent Engineering, ISBN-10: 9811514828. [SCOPUS].
10. Verma R. K., Panigrahi C. R., **Pati B.,** and Sarkar J.L. (2020), An Efficient Approach for Running Multimedia Applications Using Mobile Cloud Computing, In Proc. of 3rd International Conference on Advanced Computing and Intelligent Engineering, ISBN-10: 9811514828. [SCOPUS].
11. Banerjee A., Pujari A. K., Panigrahi C. R., **Pati B.,** (2021). Entropy Based Cluster Selection, Progress in Advanced Computing and Intelligent Engineering, Advances in Intelligent Systems and Computing 1299, https://doi.org/10.1007/978-981-33-4299-6_26, pp. 313-321.
12. Biswal A., Nanda S., Panigrahi C. R., Cowlessur S. K., **Pati B.**, Human Activity Recognition Using Machine Learning: A Review, Progress in Advanced Computing and Intelligent Engineering, Advances in Intelligent Systems and Computing 1299, https://doi.org/10.1007/978-981-33-4299-6_27, pp. 323-333.
13. Mohapatra S. D., Nayak S.C., Parida S., Panigrahi C.R., **Pati B.**(2021). COVTrac: Covid-19 Tracker and Social Distancing App, Progress in Advanced Computing and Intelligent Engineering, Advances in Intelligent Systems and Computing 1299, https://doi.org/10.1007/978-981-33-4299-6_50, pp. 607-619.
14. Nanda S., Panigrahi C. R., **Pati B**., and Mishra A. (2020). A Novel Approach to Detect Emergency using Machine Learning, Advanced Computing and Intelligent Engineering, Springer, ISBN 978-981-15-6352-2. [SCOPUS].
15. R. K. Verma, Panigrahi C. R., Ramasamy V., **B Pati**, P. K. Prasad (2019), MBA: Mobile Cloud Computing Approach for Handling Big Data Applications, In Proc. of 2nd International Conference on Advanced Computing and Intelligent Engineering, Central University of Rajasthan, Springer, Dec. 23-25, ISBN:978-981-13-0223-7. [SCOPUS].
16. **Pati B**., Sarkar J. L., Panigrahi C. R., Debberma, S., Trivedi R. (2018). E2G: A Game Theory Based Energy Efficient Transmission Policy in Mobile Cloud Computing, International Conference on Advanced Computing and Intelligent Engineering (ICACIE), Springer, C. V. Raman College of Engineering (Autonomous), Bhubaneswar, Dec. 21-23, ISBN:978-981-10-6871-3, pp. 667-684. [SCOPUS].
17. Verma R., **Pati B**., Sarkar J. L., Panigrahi C. R., Das S. (2018). M2C: An Energy Efficient Mechanism for Computation in Mobile Cloud Computing, International Conference on Advanced Computing and Intelligent Engineering (ICACIE), Springer, C. V. Raman College

of Engineering (Autonomous), Bhubaneswar, Dec. 21-23, ISBN: 978-981-10-6871-3. [SCOPUS].

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Organization of Conferences/Workshops

1. General Chair, 7th International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2022), Springer, Dec. 23-24, 2022.
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3. General Chair, 5th International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2020), Springer, Université des Mascareignes (UdM), Mauritius, Jun. 25-27, 2020.
4. General Chair, 4th International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2019), Springer, Rama Devi Women's University, Bhubaneswar, Dec. 21-23, 2019.
5. General Chair, 3rd International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2018), Springer, S'O'A Deemed to be University, Bhubaneswar, Dec. 21-23, 2018.
6. TPC Chair, 2nd International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2017), Springer, Central University of Rajasthan, Dec. 22-24, 2017.
7. General Chair, 11th IEEE International Conference on Advanced Networks and Telecommunications Systems (IEEE ANTS'17), C. V. Raman College of Engineering (Autonomous), Bhubaneswar, Dec. 17-19, 2017.
8. General Chair, International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2016), Springer, C. V. Raman College of Engineering (Autonomous), Bhubaneswar, Dec. 21-23, 2016.