



Dr. HEMANTA KUMAR BHUYAN

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|-------------------------|---|---|
| Faculty Id | : | 7691-160804-172710 |
| Date of Birth | : | 2 nd May 1974 |
| Designation | : | Professor |
| Years of Experience | : | Teaching : 13 years |
| | | Industry : - |
| Email Id | : | hmb.bhuyan@gmail.com |
| Phone Number | : | +91-8179682776 |
| Faculty Web Page | : | |
| Employment Status | : | Full Time |
| Areas of Specialization | : | Data mining and data warehouse, |
| UG Degree | : | 1992 - 1995 – Bachelor Of Science , Salipur College, Utkal Univeristy, Odisha |
| PG Degree | : | 1996-1998 – Master of Science, Sambalpur University, Odisha, 2003-2005 – Master Of Technology in Computer Science from Utkal University, Odisha. |
| Ph.D | : | 2016- Ph.D in Computer Science and Engineering, SOA University, Odisha. |
| Ph.D Thesis topic | : | Privacy Preserving in Distributed data mining |
| UG Subjects Taught | : | <ul style="list-style-type: none">• Operating System,• Design and Analysis of Algorithm,• Computer Networks,• Database Engineering System,• Data structure, |

- Compiler Design,
- Computer Architecture and Organization,
- Data mining and data warehouse,
- Theory of Computation,
- Cloud Computing,
- Parallel and Distributed System,
- Artificial Intelligent

PG subjects Taught :

Data mining and data warehouse

Projects
(ACADEMICS) :

Ph.D (Computer Science and Engineering):

Thesis Title: “Privacy Preservation in Distributed Data Mining” is awarded in SOA University under the guidance of Prof. (Dr.) Narendra Kumar Kamila.

M.Tech (Computer Science):

Thesis Title: “Association Rule Mining from Classical to Modern application” is completed in Utkal University under the Guidance of Prof (Dr.) Satchidananda Dehuri.

Project to M.Tech. students

2017

[T1]Thesis Title: Protected And Active Data Discovery And Keyword Search Distribution in Cloud Computing.

Student’s Name: Anjum Shajia, Dept-CSE, LIET, Hyderabad, Telangana

2012

[T1] Thesis Title: Privacy Preserving in Distributed Data Mining based on Multi-objective Optimization.

Student’s Name: Bindushree Pattnaik, Dept- CSE, MIET, Bhubaneswar, Odisha.

[T2]Thesis Title: Privacy Preservation In Data Mining Using K-Anonymization Model

Student’s Name: Kailash Chandra Nayak, Dept- CSE, MIET, Bhubaneswar, Odisha.

2011

[T1] Thesis Title: Privacy Preserving Data Mining in Decentralized network

Student's Name: Soumya Ranjan Sahoo, Dept- CSE, CEB, BBSR Odisha.

[T2] Thesis Title: Privacy in distributed data mining

Student's Name: Swagatika Mohanty, Dept- CSE, CEB, BBSR, Odisha.

PAPERS PUBLISHED:

2018

- [P1] **Bhuyan, H. K.** and Reddy C. V. Madhusudan: Sub-feature selection for novel classification, **IEEE Explore**, April, 2018.
- [P2] **Bhuyan, H. K. and** Huque M. S.: Sub-feature selection based classification, **IEEE Explore**, April, 2018.
- [J1] **Bhuyan, H.K.** and Kamila, N. K.: Individual privacy in data mining using fuzzy optimization. **ACM Transactions on Knowledge Discovery from Data**, 2018 (Submitted).
- [J2] **Bhuyan, H.K.** and Kamila, N. K.: Confidence intervals for Privacy preserving data mining. **Applied soft computing, Elsevier**, 2018(Submitted).

2017

- [J1] **Bhuyan, H. K., Anjum S.:** Protected And Active Data Discovery And Keyword Search Distribution in Cloud Computing. International Journal Of Innovative Technology And Research (IJITR), Volume No.5, Issue No.5, pp. 7204-7206. August - September 2017. ISSN: 2320-5547.
- [J2] **Bhuyan, H. K.,** Kamila, N.K.: Trust based data privacy in distributed data mining. **Information Sciences (Elsevier)** (Under Revision) (2017).
- [J3] **Bhuyan, H.K.,** Kamila, N. K.: Privacy for Sub-feature data Selection based on fuzzy probabilities in distributed data mining. **Data Mining and Knowledge Discovery, Springer**, 2017(Under revision).

2016

- [J1] **Bhuyan, H. K.,** Kamila, N.K., Jena, L.D.: Pareto-based multi-objective optimization for classification in data mining. **Cluster computing (Springer)**, Volume 19, Issue 4, pp 1723-1745, December 2016.

2015

- [J1] **Bhuyan, H.K.** and Kamila, N. K.: Privacy preserving sub-feature selection in distributed data mining. **Applied soft computing, Elsevier**, volume 36. pp. 552-569, 2015.

2014

- [J1] **Bhuyan, H.K.** and Kamila, N. K.: Privacy preserving Sub-feature Selection based on fuzzy probabilities. **Cluster computing, Springer**, Volume 17, Issue 4, pp 1383-1399, 2014.

2013

- [P1] **Bhuyan, H.K.**, Kamila, N. K., Mishra M., Jena S. S., Bhuyan, G. P.: Sub-feature selection with privacy in decentralized network based on fuzzy environment. **Elsevier science and technology**, Volume No: 5, Page(s): 14 – 19, 2013.

- [P2] **Bhuyan, H.K.**, Kamila, N. K., Bhuyan, G. P., Sahoo, J. S.: Privacy for Feature Selection in Distributed data Mining using Knowledge based data support. **Elsevier science and technology**, Volume No:5, Page(s): 167 – 172, 2013.

- [C1] **Bhuyan, H.K.**, Kamila, N. K., Mishra M., Jena S. S., Bhuyan, G. P.: Sub-feature selection with privacy in decentralized network based on fuzzy environment. Fourth International Conference on Advances in Communication, Network and Computing (CNC-2013), Chennai, India, Feb 22-23, 2013.

- [C2] **Bhuyan, H.K.**, Kamila, N. K., Bhuyan, G. P., Sahoo, J. S.: Privacy for Feature Selection in Distributed data Mining using Knowledge based data support. Fourth International Conference on Advances in Communication, Network and Computing (CNC-2013), Chennai, India, Feb 22-23, 2013.

- [C3] **Bhuyan, H.K.**, Kamila, N. K., Bhuyan, G. P., Jena, S. S., Mohanty, M.: Individual Privacy in distributed data mining based on pareto optimal set using fuzzy optimization. Fourth International Conference on Advances in Communication, Network and Computing (CNC-2013) , Chennai, India, Feb 22-23, 2013.

2012

- [J1] **Bhuyan H. K.**, Dash S. K., Roy S. and Swain D. K.: “Privacy Preservation with Penalty in Decentralized Network using Multiparty Computation” , International Journal of Advancements in Computing Technology(IJACT) Volume4, Number1, January 2012.

- [J2] **Bhuyan, H.K.**, Mohanty M., Das S. R.: “Privacy preserving for feature selection in data mining using

centralized network”. IJCSI, vol(9), issue(3), pp. 434 - 440, April.2012.

[P1] **Bhuyan, H.K.**, Kamila, N. K., Rath, S. K., Mishra, M.: Privacy for Information Sharing in Distributed Data Mining Using Fuzzy Optimization. **Elsevier science and technology**, Volume No:7, Page(s): 325 – 334, 2012.

[C1] **Bhuyan, H.K.**, Kamila, N. K., Rath, S. K., Mishra, M.: Privacy for Information Sharing in Distributed Data Mining Using Fuzzy Optimization. Second International Conference on Computational Intelligence and Information Technology (CIIT), Chennai, India, Dec 03-04, 2012.

[C2] **Bhuyan, H.K.**, Roy S.: “Privacy for Information Sharing in Distributed Data Mining Using Fuzzy Optimization”. Accepted in IEEE Xploration-2012.

2011

[J1] **Bhuyan, H. K.**, Kamila, N. K., and Dash , S. K.: “An Approach for Privacy preservation Of Distributed Data In Peer-To-Peer Network Using Multiparty Computation”, IJCSI,vol(3), issue(8), pp.424-429 , Aug.2011.

[C1] **Bhuyan, H.K.** Swain D.K, Pattnaik B.: “Privacy preserving data mining in centralized network”, NCETAE-2011, IGIT, Sarang, Odisha, December 26-28, 2011.

[C2] **Bhuyan, H.K.**, Pattnaik B., Rath S.K.: “Personalized privacy in distributed data mining based on pareto optimal set”, RDSC-11, MEMS, Balasore, November 19 – 20, 2011.

NUMBER OF ACHIEVEMENT/ATTAINED OF WORKSHOP/SEMINAR/CONFERENCE

2018

[1] International Conference on Trends in Electronics and Informatics 2018 (ICOEI-2018), Coimbatore, 20-21, April, 2018, (IEEE Explore)

[2] International conference on Inventive Communication and Computational Technologies 2018, (ICICCT-2018), Coimbatore, 11-12 May 2018, (IEEE Explore)

2017

[1] National conference on engineering, science, technology in industrial applications and significance of free open source software (NCESTFOSS-2017), KG Reddy College of Engineering and technology, 21-22, Dec, 2017.

[2] One week Faculty Development Programme, KG Reddy College of Engineering and Technology, 04 - 09,

Dec, 2017.

- [3] National workshop on Java development Technology -2017, Lords Institute of Engineering and Technology, from 18.09.17 to 21.09.17.

2013

- [1] Fourth International Conference on Advances in Communication, Network, and Computing – CNC 2013, and collaboration with Springer conference, Chennai, India, February 2013.

2012

- [1] Second International Conference on Computational Intelligence and Information Technology (CIIT), and collaboration with Springer conference, Chennai, India, Dec 03-04, 2012.

2011

- [1] National Institute of Technical Teacher's Training and Research (NITTTR), Kolkata, from 17.01.2011 to 21.01.2011
- [2] National Conference on Emerging Trend & Its Application in Engineering (NCETAE 2011) December 26-28, 2011, IGIT, Sarang, Odisha
- [3] Recent development in soft computing (RDSC'11), Organized by Modern Engineering & Management Studies (MEMS) In collaboration with Odisha Information Technology Society (OITS), Balasore Chapter, MEMS, Balasore November 19 – 20, 2011.

2010

- [1] National Seminar on Advanced Software Engineering(NSASE-2010) organized by Gandhi Institute For Technological Advancement on 21st August, 2010.
- [2] International Conference on Computer Technology (ICCT-2010) organized by dept. Computer Science and Engg. C.V. Raman College Of Engg, Bhubaneswar, August 2010.
- [3] International Conference on Computer Technology (ICCT-2010) organized by dept. Computer Science & Engg. C.V. Raman College of Engg, Bhubaneswar, from 3rd to 5th December 2010.

2009

- [1] National Workshop On Oracle DBA Organised by Hi-Tech Institute of Technology, Khurda, Bhubaneswar from 20th sept to 22nd sept 2009.

2008

[1] Pre-Doctoral Workshop Organised by Interscience Institute Of Management & Technology, Bhubaneswar, Odisha, 23 November, 2008.

Books Published: None

Research Projects Undertaken: None