

Name : Dr. Th. Shanta Kumar

Designation:Associate Professor



Address for Communication: (office):Dept. of Computer Science and Engg.,
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Sex : Male

Date of Birth : 10-06-1973

Educational Qualifications:

Sl. No.	Examination Passed	Year of passing	Board / Council / University	Specialization
1	HSLC/10 th Std.	1990	Board of sec. edn. Manipur (BSEM)	
2	HSSLC/10+2 Std.	1992	Board of sec. edn. Manipur (BSEM)	Phy, chm, Maths, English
3	Degree (Please Specify)	1996 (BSc. (H) Computer Sc.)	Manipur University	Computer Science
4	Master's Degree (Please Specify)	2000 (Master in Computer Applications)	Jorhat Engineering College	Computer Science
5	M. Phil.(Please Specify)			
6	Ph. D. (Please Specify)	2012	Himachal Pradesh University, Shimla	Computer Science
7	Post-Doctoral (Please Specify)			

8	Others(Please Specify)			
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Languages known: English, Hindi, Manipuri

(Read, Write & Speak)

Academic/ Administrative Experience:(23 Years 6 Months)

Sl	Post/Designation	Organisation	Duration
1	Associate Professor	Dept. of CSE, GCU	Apr, 2023-Cont [1 year 6 months]
2	Head of Dept	Dept. of CSE, GIMT/GCU	May,2016-Mar2023 [6 year 10 months]
3	Principal	SITM, Guwahati, Assam	Jan,2013-May2016 [3 years 5 Months]
4	Assistant Professor	Sherubtse College, Bhutan	Jul,2001-Dec,2012 [11 yrs 6 months]

List of Publications:

1. Amarjyoti Pathak, Th. Shanta Kumar and Utpal Barman, Static analysis framework for permission-based dataset generation and android malware detection using machine learning, EURASIP Journal on Information Security, 2024:33, <https://doi.org/10.1186/s13635-024-00182-3>
2. A. Pathak, U. Barman. Th. S. Kumar, "Machine learning approach to detect android malware using feature-selection based on feature importance score," Journal of Engineering Research (Elsevier), Apr, 2024, doi: <https://doi.org/10.1016/j.jer.2024.04.008>.
3. Th. Shanta Kumar, Himanish S. Das, UpasanaChoudhary, Prayakhi E. Dutta, DebaratiGuha, and YeasminLaskar, " Analysis and Prediction of Air Pollution in Assam Using ARIMA/SARIMA and Machine Learning" , Innovations in Sustainable Energy and Technology India 2020(Springer) , pp-317, 2020 <https://doi.org/10.1007/978-981-16-1119-3>.
4. Rajarshi Paul, Th. Shanta Kumar, " A Machine Learning Approach to Biodiversity Time Series Analysis" , 2nd International Conference on information systems & management science (ISMS) 2019 , pp-58, 2018 <http://dx.doi.org/10.2139/ssrn.3520735>.
5. Th. S. Kumar, " Enhancement of Image Classification through Data Augmentation using Machine Learning" , International Journal of Computer Sciences and Engineering, Vol.6, Issue.9, pp.220-224, 2018.

6. Th. S. Kumar, "Extracting Patterns from Students' Feedback using Mixed Method", International Journal of Computer Sciences and Engineering, Vol.4, Special Issue.7, pp.136-139, 2016.
7. Anjana K. Mahanta, Amar J. Singh and Th. Shanta Kumar, "Customer Segmentation: Using a Comparative Case of Clustering Techniques", CiiT International Journal of Data Mining and Knowledge Engineering, vol. 3(1), pp. 39-44 January 2011, <http://ciitresearch.org/dl/index.php/dmke/article/view/DMKE012011007>.
8. Th. S. Kumar and A. J. Singh, "Genetic Algorithm and Clustering: A Comparative Case Study", in Proceedings of the 2nd International Conference on Data Management (ICDM2009), Delhi, India, Feb. 2009. (ISBN : 023-063-760-4).
9. G. Raju, B. Thomas, S. Tobgay and Th. S. Kumar, "Fuzzy Clustering Methods in Data Mining: A Comparative Case Study", in Proceedings of the International Conference on Advanced Computer Theory & Engineering (ICACTE2008), Phuket, Thailand, Dec. 2008, pp 489-493. (ISBN : 978-0- 7695-3489-3), <https://ieeexplore.ieee.org/document/4737006>
10. G. Raju, B. Thomas, Th. S. Kumar and S. Thinley, "Integration of Fuzzy Logic in Data Mining to Handle Vagueness and Uncertainty", in Proceedings of the 4th International Conference on Intelligence Computing (ICIC2008), Shanghai, China, Sep. 2008, pp. 880-887. (ISBN : 978-3-540-85983-3) <https://link.springer.com/chapter/10.1007/978-3-540-85984-0106>

Book Chapter:

1. Th. Shanta Kumar, A Survey of Data Mining Techniques in Business Applications, Contemporary Thoughts in Management, 978-81-924348-0-3

Research Experience:

Doctoral thesis guided/guiding:

1. Name of scholar : Mr. Amarjyoti Pathak
Topic: Study And Analysis Of Malware Detection Mechanisms Using Machine Learning Techniques With Special Reference To Android Platform
University registered: Assam Science and Technology (ASTU), Assam
2. Name of scholar : Mr. Dwipen Das
Domain: Weather forecast using Machine Learning/Deep learning
University registered: Girijananda Choudhury University

Research & Consultancy Projects:

1. Time Series & Machine Learning, Time Series Analysis and Prediction of AirPollution in Guwahati, MHRD (ASTU - TEQIP-III), Rs.2,97,000

Membership of Professional bodies:

Sl	Professional bodies	Membership No.
1	International Association of Computer Science and Information Technology (IACSIT)	80331292
2	International Association of Engineers (IAENG)	110327
3	Science and Engineering Institute (SCIEI)	20141218003
4	The Society of Digital Information and Wireless Communications	9039

Award, Fellowship & Recognition:

1. North East Council (shillong) Merit Scholarship for technical education, 1999



Date:28-12-2024(Dr. Th. Shanta Kumar)