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Designation	:	Associate Professor									
Department	:	Computer Engineering									
Date of Joining the Institution	:	10 <sup>th</sup> January 2022									
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Google Scholar Link:		<a href="https://scholar.google.com/citations?user=BcmKttS7RyQC&amp;hl=en">https://scholar.google.com/citations?user=BcmKttS7RyQC&amp;hl=en</a>									
Researchgate Link:		<a href="https://www.researchgate.net/profile/Kranti-Ghag-2?ev=hdr_xprf">https://www.researchgate.net/profile/Kranti-Ghag-2?ev=hdr_xprf</a>									
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Publons Researcher ID:		<a href="https://publons.com/researcher/2995925/kranti-vithal-ghag/">https://publons.com/researcher/2995925/kranti-vithal-ghag/</a>									
Qualifications with Class / Grade	:	<table border="0"> <tr> <td>1. PhD in Engineering</td> <td>First Class</td> </tr> <tr> <td>2. ME in Computer Engineering</td> <td>First Class</td> </tr> <tr> <td>3. BE in Computer Engineering</td> <td>First Class</td> </tr> <tr> <td>4. Diploma in Computer Engineering</td> <td>First Class</td> </tr> </table>	1. PhD in Engineering	First Class	2. ME in Computer Engineering	First Class	3. BE in Computer Engineering	First Class	4. Diploma in Computer Engineering	First Class	
1. PhD in Engineering	First Class										
2. ME in Computer Engineering	First Class										
3. BE in Computer Engineering	First Class										
4. Diploma in Computer Engineering	First Class										
Total Experience in Years	:	<b>Teaching: 22 years</b>									
Papers Published in Journal:	:	<ol style="list-style-type: none"> <li>1. S. D'Silva, K. Shah, A. Mishra, and K. Ghag, "JurisNet: Graph-based Legal Case Retrieval System," <i>International Journal of Educational Research</i>, vol. 131, 2025. <a href="https://ijerjournal.com/wp-content/uploads/5.IJER25A671.pdf">https://ijerjournal.com/wp-content/uploads/5.IJER25A671.pdf</a></li> <li>2. J. Jagdale, R. Sreemathy, B. Jagdale, and K. Ghag, "Mapreduce framework based sentiment analysis of twitter data using hierarchical attention network with chronological leader algorithm," <i>Social Network Analysis and Mining</i>, vol. 14, no. 1, Aug. 2024, doi: 10.1007/s13278-024-01293-y. <a href="https://link.springer.com/article/10.1007/s13278-024-01293-y">https://link.springer.com/article/10.1007/s13278-024-01293-y</a></li> <li>3. K. Gandhi, P. Kulkarni, T. Shah, P. Chaudhari, M. Narvekar, and K. Ghag, "A multimodal framework for deepfake detection," <i>the Journal of Electrical Systems</i>, Aug. 2024, doi: 10.53555/jes.v20i10s.6126. <a href="https://doi.org/10.53555/jes.v20i10s.6126">https://doi.org/10.53555/jes.v20i10s.6126</a></li> <li>4. V. K. Sheth, V. K. Sheth, B. K. Rathod and Dr. Kranti Vithal Ghag, "AI Power Hand Gesture Control Vehicle," <i>International Journal of Engineering Research and</i>, vol. V9, no. 06, 2020. <a href="https://www.ijert.org/research/ai-power-hand-gesture-control-vehicle-IJERTV9IS060943.pdf">https://www.ijert.org/research/ai-power-hand-gesture-control-vehicle-IJERTV9IS060943.pdf</a></li> <li>5. H. Makwana, D. Manche, D. Ghag, and S. More, "Mentoring System: Student Leadership Programme," <i>International Journal of Innovative Science and Research Technology</i> Volume 5 - 2020, Issue 7 - July, vol. 5,</li> </ol>									

no. 7, pp. 629–634, 2020. <https://ijisrt.com/mentoring-system-student-leadership-programme>

6. Ghag, K. V., & Shah, K. (2018) CSAM: Conceptual Sentiment Analysis Model. In *International Journal of Electrical and Computer Engineering (IJECE)*, 8(4), 2358-2366. <http://ijece.iaescore.com/index.php/IJECE/article/view/11035>
  7. Ambekar, G., Chikane, T., Sheth, S., Sable, A., & Ghag, K. (2015). Anticipation of winning probability in poker using data mining. *2015 International Journal of IT & Knowledge Management*, 8(2), 77-84. <http://csjournals.com/IJITKM/PDF%208-2/14.%20Gaurav.pdf>
  8. Ghag, K., & Shah, K. (2014). Optimizing Sentiment Classification using Preprocessing Techniques. *2014 International Journal of IT & Knowledge Management*, 8(2), 61-70. <http://csjournals.com/IJITKM/PDF%208-2/12.%20Kranti.pdf>
  9. Ghag, K., & Shah, K. (2014). ARTFSC – Average Relative Term Frequency Sentiment Classification. *2014 International Journal of Computers and Technology*, 12(6), 3591-3601. <https://rajpub.com/index.php/ijct/article/view/3141>
  10. Ghag, K., & Shah, K. (2014). SentiTFIDF – Sentiment Classification using Relative Term Frequency Inverse Document Frequency. *International Journal of Advanced Computer Science and Applications*, 5(2). <https://dx.doi.org/10.14569/IJACSA.2014.050206>
1. R. Jain, K. Kanadia, R. Shah, J. Jain, K. Ghag, and M. Narvekar, "BERT WEIGHT: Word-Level Sentiment Analysis Through Contextual Token Attribution and Embedding Weighting," *International Conference on Advances in Science and Technology (ICAST)*, Mumbai, India, 2025.
  2. A. Doshi, V. Dodiya, H. Shah, K. Ghag, N. Patil and M. Narvekar, "A Systematic Review of Textile Anomaly Detection Systems," *2024 IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS)*, Bhopal, India, 2024, pp. 1-6, <https://ieeexplore.ieee.org/document/10482127>
  3. D. Dalal, D. Talreja, D. Vaidya, M. Narvekar and K. Ghag, "Comparing the Effects of Various Preprocessing Techniques on the Performance of CNN for Facial Emotion Recognition," *2023 International Conference on Advanced Computing Technologies and Applications (ICACTA)*, Mumbai, India, 2023, pp. 1-6, <https://ieeexplore.ieee.org/document/10392689>
  4. S. Pednekar, P. Dhirawani, R. Shah, N. Shekokar and K. Ghag, "Voice-Based Interaction for an Aging Population: A Systematic Review," *2023 3rd International Conference on Intelligent Communication and Computational Techniques (ICCT)*, Jaipur, India, 2023, pp. 1-8, doi: 10.1109/ICCT56969.2023.10075801. <https://ieeexplore.ieee.org/document/10075801>

Papers Presented in Conferences

5. F. Doshi, J. Tudiya, K. Bafna, and K. Ghag, "Fraud Detection System in Self-Checkout Centres," *2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE)*, 2021 <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9487671>
6. Kadam, S., Gala, A., Gehlot, P., Kurup, A., & Ghag, K. (2018, 08). Word Embedding based Multinomial Naive Bayes Algorithm for Spam Filtering. *2018 International Conference on Computing Communication Control and Automation (ICCUBEA)*. <https://ieeexplore.ieee.org/abstract/document/8697601>
7. Mhatre, M., Phondekar, D., Kadam, P., Chawathe, A., & Ghag, K. (2017, 07). Dimensionality reduction for sentiment analysis using pre-processing techniques. *2017 International Conference on Computing Methodologies and Communication (ICCMC)*. doi:10.1109/iccmc.2017.8282676 <https://ieeexplore.ieee.org/abstract/document/8282676>
8. Thevar, K., Thakur, V., Shukla, T., Vishwakarma, D., & Ghag, K. (2017, 07). Handling polarity shift for opinion mining. *2017 International Conference on Computing Methodologies and Communication (ICCMC)*. doi:10.1109/iccmc.2017.8282621 <https://ieeexplore.ieee.org/document/8282621>
9. Ambekar, G., Chikane, T., Sheth, S., Sable, A., & Ghag, K. (2015, 09). Anticipation of winning probability in poker using data mining. *2015 International Conference on Computer, Communication and Control (IC4)*. doi:10.1109/ic4.2015.7375593 <https://ieeexplore.ieee.org/document/7375593>
10. Ghag, K. V., & Shah, K. (2016, 08). Negation Handling for Sentiment Classification. *2016 International Conference on Computing Communication Control and Automation (ICCUBEA)*. doi:10.1109/iccubea.2016.7860016 <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7860016>
11. Ghag, K. V., & Shah, K. (2015, 09). Comparative analysis of effect of stopwords removal on sentiment classification. *2015 International Conference on Computer, Communication and Control (IC4)*. doi:10.1109/ic4.2015.7375527 <https://ieeexplore.ieee.org/document/7375527>
12. Ghag, K., & Shah, K. (2014). RTFSC – Relative Term Frequency Sentiment Classification. *2014 International Conference on Recent Trends in Computer and Electronic Engineering (ICRTCEE)*. [\[Internal Resource - Shah & Anchor Kutchhi Engineering College\]](#)
13. Ghag, K., & Shah, K. (2013, 01). Comparative analysis of the techniques for Sentiment Analysis. *2013 International Conference on Advances in Technology and Engineering (ICATE)*.doi:10.1109/icadte.2013.6524752 **(Track Best Paper Award)** <https://ieeexplore.ieee.org/document/6524752>

		11. L. L. Ragma and K. V. Ghag, "Multiple route selector BGP (MRS-BGP)," Proceedings of the International Conference and Workshop on Emerging Trends in Technology, 2010. <a href="https://dl.acm.org/doi/abs/10.1145/1741906.1741974">https://dl.acm.org/doi/abs/10.1145/1741906.1741974</a>
Area of Specialization	Sentiment Analysis, Data Mining, Intellectual Property	
Professional Memberships	: Life Member of ISTE	Membership No.: LM80905
Subjects Taught	<b>UG Level:</b> <ul style="list-style-type: none"> <li>•</li> </ul> <b>PG Level:</b> <ul style="list-style-type: none"> <li>•</li> </ul>	Data Warehousing and Mining Adv. Database Management Systems Distributed Databases Computational Linguistics
Projects Guided	<b>UG Level:</b> Real-Time Air Quality Monitoring and Route based pollution mapping using vehicle mounted sensors AgriBot: Crop Advisory System for Marginal Farmers and NGOs LegalEaseAI: Smart Legal Document Simplifier and Q&A Assistant BERT WEIGHT: Word-Level Sentiment Analysis Through Contextual Token Attribution and Embedding Weighting  <b>PG Level:</b> Self-Supervised Log Analysis for Anomaly Detection with Explainable Insights AI driven hate speech detection	
Recommended Students for Higher Education	<b><u>Name of the Student</u></b> Mr Paras Gada	<b><u>University/Industry</u></b> Stony brook univ North carolina state univ
Institute/Department Responsibility handled:	Institute Level 1 Admission, Vice Chairperson (SE, M. Tech Admission). 2 IQAC member. 3 NAAC Criteria 3 Coordinator. 4 5 NEP implementation committee member. 5 Member of CAS committee. 6 SPOC-DJSCE, SVKM IPR Cell. 7 IPR Expert at Intellectual Property Right Cell (IPRC) & Institute Level Screening Committee (ILSC). 8 IPR Expert at 'KAPILA: Kalam Program for IP Literacy and Awareness' committee.  Department Level 1 Budget 2 NBA criterion 4 Coordinator 3 Syllabus Committee 4 NAAC Cr 3 Coordinator 5 Term test coordinator	