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Teaching Experience : 25 Years

	All	Since 2018
<u>Citations</u>	15	12
<u>h-index</u>	2	2

Papers published in National/International Journals

1. Anjana Ghule, R. R. Deshmukh (March 2021), Wavelength Selection and Classification of Hyperspectral Non-Imagery Data to Discriminate Healthy and Unhealthy Vegetable Leaves, **Current Science**, 120(5), pp.932-936, DOI: <https://doi.org/10.18520/cs/v120/i5/932-936> **Scopus, Web of Science, SCI Exted.**
2. Ghule, A. N., Prof., D. R. R. D., & Gaikwad, C. M. (2021). Discrimination between Healthy and Damaged Sesame Leaves using Hyperspectral Data. **Indian Journal of Computer Science and Engineering**, 12(2), 428–433. <https://doi.org/10.21817/indjcse/2021/v12i2/211202146> , **Scopus**
3. Anjana Ghule, R. R. Deshmukh, Chitra Gaikwad (June 2020) Distinguishing Healthy and Infected Vegetable Crops using Hyperspectral Leaf Reflectance, **CSI Journal of Computing, Vol.No.3(2)**
4. Dnyaneshwar Pandurang Naik and Prof.A. N. Ghule, An Advanced Data Transformation Algorithm for Categorical Data Protection (pg. 899 – 902) **International Journal of Computer Science and Information Technologies, 0975-9646, Vol. 4 (6), 2013.**
5. Prof. Jayanand A. Kamble and Prof. A. N. Ghule, Efficient Indexing using EDLSH for Similarity Search Over Encrypted Data , **International Journal of Innovative Research in Advanced Engineering (IJIRAE)**, 2349-2163, 2015.
6. Mrs. Minakshi Pachpatil and Prof.A.N.Ghule, Implementing Pyramid Structure for Generating Efficient Personalized Recommendations, **International Journal of Computer Science and Information Technologies**, 0975-9646, Vol. 6 (4), 2015.
7. Prof. S.M.Chavan, A.N.Ghule,C.M.Gaikwad “Color Content based Image and Video Retrieval” in **International Journal of Computer Applications**, 0975 – 8887, Vol 2, Feb-15.
8. Sanket Godbole, Hrishikesh Janjal, Devendra Pawar, Sourav Kanade, Anjana Ghule, Performance of Keras on Indian Traffic Signal Classification and Recognition, **Journal International Research Journal of Engineering and Technology IRJET** May 2020, Vol 07 , Issue 5 No e ISSN: 2395-0056 p ISSN:2395-0075

Papers published in National/International Conference

1. Anjana Ghule, R. R. Deshmukh, Pooja Janse (2018) ,Hyperspectral Remote Sensing for the Study of Characteristics of Crops, Conference: 2nd International Conference on Cognitive Knowledge Engineering
2. Anjana Ghule, R. R. Deshmukh, Abbasov Iftikhar Balakishievich, Chitra Gaikwad (June 2020) , Spectral Discrimination of Healthy and Infected Vegetable Plants using Non Imaging Hyperspectral Data, Computer and Information Technologies in science, engineering and management , Comtech2020, pp.92-99 numbers). Rostov-on-Don Taganrog Publishing House of the Southern Federal University, 2020.

Book chapter

1. Chapter on Anomaly detection using Semi supervised learning for sericulture Cocoon Production by Kavita Bhosle, Anjana Ghule, S. R. Chaudhary, Computer Vision and Information Technology Advances and Applications, I. K. International Publishing House Pvt. Ltd. New Delhi, ISBN number :978-93-80026-95-4, Page 850-855
Ghule A., Deshmukh R.R., Gaikwad C. (2019) MFDS-m Red Edge Position Detection Algorithm for Discrimination Between Healthy and Unhealthy Vegetable Plants. In: Santosh K., Hegadi R. (eds) Recent Trends in Image Processing and Pattern Recognition. RTIP2R 2018. Communications in Computer and Information Science, vol 1037. Springer, Singapore. https://doi.org/10.1007/978-981-13-9187-3_33 **Scopus (Springer)**
2. Ghule A., Deshmukh R.R. (2020) Improved Linear Extrapolation Technique for Crop Health Monitoring Using Hyperspectral Data. In: Bansal J., Gupta M., Sharma H., Agarwal B. (eds) Communication and Intelligent Systems. ICCIS 2019. Lecture Notes in Networks and Systems, vol 120. Springer, Singapore. https://doi.org/10.1007/978-981-15-3325-9_8 **Scopus (Springer)**

Book Published

Cyber Security and Ethical Hacking. Dr. Manoj Eknath Patil, Dr. Anjana N. Ghule, Prof. Bhushan B. Shaharkar and Prof. Anand Magar. ISBN 978-93-5757-357-3

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1. A TOOL FOR FINDING RED EDGE POSITION AND SPECTRAL FEATURES USING HYPERSPECTRAL DATA, **SW-14635/2021**
ANJANA N. GHULE , PROF. DR. R. R. DESHMUKH

Patents:

1. SYSTEM FOR DETERMINATION OF SOIL ATTRIBUTES USING MACHINE LEARNING TECHNIQUES FOR NON-IMAGERY SPECTROSCOPIC DATA
Dr. Chitra Gaikwad, Dr. Anjana Ghule, Dr. Sangeeta Kakarwal, Dr. Ratnadeep Deshmukh
2. Design Patent : Granted : MACHINE LEARNING BASED HUMANIOD DEVICE FOR OBJECT IDENTIFICATION
Dr. Manoj E. Patil, Dr. Sandeep S. Patil, Dr. Anjana N. Ghule, Mr. Ashish T. Bhole, Mr. S.H. Rajput, Mr Rohidas Sangore, Dr. R. Ramkumar

List of Courses Taught/Teaching at UG/ PG level

- Computer Networks
- Cryptography and Network Security

- Data Mining
- Theory of Computation
- Mobile Computing
- Principles of Compiler Design
- Data Structures
- System Programming
- Programming in Java

List of Courses Taught/Teaching at PG level

- Advanced Data mining
- Advanced Computer Networks
- Advanced Computer Architecture