



## R Jegadeeshwaran

Vellore Institute of Technology (VIT University), Chennai.

Verified email at vit.ac.in

Machine Learning   Fault Diagnosis   Machine Condition Monitoring

| SL.NO | Title   | Cited by | Year |
|-------|---|----------|------|
| 1     | TM Alamelu Manghai, R Jegadeeshwaran“Vibration based brake health monitoring using wavelet features: A machine learning approach”Journal of vibration and control 25 (18), 2534-2550  | 6        | 2019 |
| 2     | A Manghai, R Jegadeeshwaran, V Sugumaran“Brake Fault Diagnosis Through Machine Learning Approaches–A Review”Structural Durability & Health Monitoring 12 (1), 43 - 67   | 5        | 2017 |
| 3     | M Alamelu Mangai, R Jegadeeshwaran, V Sugumaran.”Vibration Based Condition Monitoring of a Brake System Using Statistical Features with Logit boost and Simple logistic algorithm”International Journal of Performability Engineering 14 (1), 1 - 8                 | 4        | 2018 |
| 4     | TM Alamelu, Manghai, R Jegadeeshwaran<br>“Feature-Based Vibration Monitoring of a Hydraulic Brake System Using Machine Learning”Structural Durability and Health Monitoring 11 (2), 149 - 167   | 3        | 2017 |
| 5     | AD Patange, R Jegadeeshwaran, NC Dhobale<br>“Milling cutter condition monitoring using machine learning approach”<br>IOP Conference Series: Materials Science and Engineering 624 (1), 012030   | 2        | 2019 |
| 6     | R More, R Kottath, R Jegadeeshwaran, V Kumar, V Karar, S Poddar<br>“Improved pose estimation by inlier refinement for visual odometry”<br>2017 Third International Conference on Sensing, Signal Processing and ...   | 2        | 2017 |
| 7     | S Aravinth, R Jegadeeshwaran, V Sugumaran<br>“Vibration based Brake Fault Diagnosis using Voting Feature Interval and Decision Tree with Histogram”Indian Journal of Science and Technology 9, 33   | 1        | 2016 |
| 8     | MN Gajre, R Jegadeeshwaran, V Sugumaran, A Talbar<br>“Vibration based Fault Diagnosis of Automobile Hydraulic Brake System using Fuzzy Logic with Best First Tree Rules”International Journal of Vehicle Structures and Systems 8 (4), 214-218                      | 1        | 2016 |
| 9     | R Deka, G Kalaiarasan, R Jegadeeshwaran“Developing a Self-Localization System for Mobile Robot Using Ultrasonic Sensor Mesh”Applied Mechanics and Materials 852, 812-818  | 1        | 2016 |
| 10    | A Bahri, V Sugumaran, R Jegadeeshwaran, SB Devasenapathi<br>“Misfire Detection in Spark-Ignition Engine using Statistical Learning Theory”<br>International Journal of Performability Engineering 12 (1), 79-88   | 1        | 2016 |
| 11    | SS Mulik, AD Patange, R Jegadeeshwaran, SS Pardeshi, A Rahegaonkar<br>“Development and Experimental Assessment of a Fluid Flow Monitoring System Using Flow Sensor and Arduino Interface”Innovative Design, Analysis and Development Practices in Aerospace and ... |          | 2021 |
| 12    | AD Patange, R Jegadeeshwaran “A machine learning approach for vibration-based multipoint tool insert health prediction on Vertical Machining Centre (VMC)”Measurement, 108649   |          | 2020 |
| 13    | K Balachandar, R Jegadeeshwaran, D Gandhikumar “Condition monitoring of FSW tool using vibration analysis–A machine learning approach”<br>Materials Today: Proceedings  |          | 2020 |

|    |   |  |      |
|----|---|--|------|
| 14 | J Jayakrishnan, A Manghai, R Jegadeeshwaran "Real Time Condition Monitoring on Brakes using Machine Learning Techniques" 2020 International Conference on Artificial Intelligence and Signal ...  |  | 2020 |
| 15 | CM Sivaraja, G Sakthivel, R Jegadeeshwaran "Selection of optimum bio-diesel fuel blend using fuzzy TOPSIS and fuzzy VIKOR approaches" International Journal of Oil, Gas and Coal Technology 23 (2), 261-291   |  | 2020 |
| 16 | PN Kumar, SRJ Karunya, G Sakthivel, R Jegadeeshwaran "Intelligent Condition Monitoring of a CI Engine Using Machine Learning and Artificial Neural Networks" International Conference on Machine Intelligence and Signal Processing 1085 ...                        |  | 2020 |
| 17 | N Kumar, G Sakthivel, R Jegadeeshwaran, R Sivakumar, S Kumar "Vibration Based IC Engine Fault Diagnosis Using Tree Family Classifiers-A Machine Learning Approach" 2019 IEEE International Symposium on Smart Electronic Systems (iSES ...                          |  | 2019 |
| 18 | A Manghai, R Jegadeeshwaran, G Sakthivel, R Sivakumar, S Kumar "Condition Monitoring of Hydraulic Brake System Using Rough Set Theory and FUZZY Rough Nearest Neighbor Learning Algorithms" 2019 IEEE International Symposium on Smart Electronic Systems (iSES ... |  | 2019 |
| 19 | AD Patange, AK Bewoor, SP Deshmukh, SS Mulik, SS Pardeshi, ... "Improving Program Outcome Attainments using Project Based Learning approach for: UG Course-Mechatronics" Journal of Engineering Education Transformations 33 (1), 1-8                               |  | 2019 |
| 20 | GJ Frederick, G Sakthivel, R Jagadeeshwaran "Impact of Adaboost and Support Vector Machine Classifier in Automotive Sector" IOP Conference Series: Materials Science and Engineering 624 (1), 012031  |  | 2019 |
| 21 | TMA Manghai, R Jegadeeshwaran, G Sakthivel "Real time condition monitoring of hydraulic brake system using naive bayes and bayes net algorithms" IOP Conference Series: Materials Science and Engineering 624 (1), 012028   |  | 2019 |
| 22 | K Shantisagar, R Jegadeeshwaran, G Sakthivel "Vibration Based Tool Insert Health Monitoring Using Decision Tree and Fuzzy Logic" TMA Manghai Structural Durability and Health Monitoring 13 (303), 316  |  | 2019 |
| 23 | TM Alamelu Manghai, R Jegadeeshwaran "Application of FURIA for Finding the Faults in a Hydraulic Brake System Using a Vibration Analysis through a Machine Learning Approach" International Journal of Prognostics and Health Management 10 (1), 1-9                |  | 2019 |