

**M.Tech/M.E CSE Major Projects List (2020-21)**

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| **Machine Learning (python)** |
| 1 | Pymoo: Multi-objective Optimization in Python | 2020 |
| 2 | Performance Evaluation of Machine Learning in Wireless Connected Robotics Swarms | 2020 |
| 3 | Synthetic NET: A 3GPP Compliant Simulator for AI Enabled 5G and Beyond | 2020 |
| 4 | Automatic Detection of Genetic Diseases in Pediatric Age Using Pupillometry  | 2020 |
| 5 | A Trustworthy Privacy Preserving Framework for Machine Learning in Industrial IoT Systems | 2020 |
| 6 | Taming an Autonomous Surface Vehicle for Path Following and Collision Avoidance Using Deep Reinforcement Learning | 2020 |
| 7 | Research on Risk Prediction of Dyslipidemia in Steel Workers Based on Recurrent Neural Network and LSTM Neural Network | 2020 |
| 8 | An Open-Ended Continual Learning for Food Recognition Using Class Incremental Extreme Learning Machines | 2020 |
| 9 | Flexible Machine Learning Based Cyber attack Detection Using Spatiotemporal Patterns for Distribution Systems | 2020 |
| 10 | Prediction for Manufacturing Factors in a Steel Plate Rolling Smart Factory Using Data Clustering-Based Machine Learning | 2020 |
| 11 | Evaluating Machine Learning Techniques for Detecting Offensive and Hate Speech in South African Tweets | 2020 |
| 12 | COVID-19 Future Forecasting Using Supervised Machine Learning Models | 2020 |
| 13 | A Novel Software Engineering Approach Toward Using Machine Learning for Improving the Efficiency of Health Systems | 2020 |
| 14 | Active Learning From Imbalanced Data: A Solution of Online Weighted Extreme Learning Machine | 2019 |
| 15 | A Nonlinear Regression Application via Machine Learning Techniques for Geomagnetic Data Reconstruction Processing | 2019 |
| 16 | A Method for Sensor Reduction in a Supervised Machine Learning Classification System | 2019 |
| 17 | Dynamic Auto-selection and Auto-tuning of Machine Learning Models for Cloud Network Analytics | 2019 |
| 18 | Automatically Evaluating Balance: A Machine Learning Approach | 2019 |
| 19 | Fast and Communication-Efficient Algorithm for Distributed Support Vector Machine Training | 2019 |
| 20 | Adversarial Deep Learning Models with Multiple Adversaries | 2019 |
| 21 | Universal Approximation Capability of Broad Learning System and Its Structural Variations | 2019 |
| 22 | Multimodal Machine Learning: A Survey and Taxonomy | 2019 |
| 23 | Computer Vision and Machine Learning for Viticulture Technology | 2018 |
| 24 | A novel method for implementing Artificial Intelligence, Cloud and Internet of Things in Robots | 2018 |
| 25 | Data Classification with Deep Learning using Tensorflow | 2017 |

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