

Table of Contents

International Journal of System Dynamics Applications

Volume 10 • Issue 3 • July-September-2021 • ISSN: 2160-9772 • eISSN: 2160-9799

Open Access Article

1  A Novel Sleep Scoring Algorithm-Based Framework and Sleep Pattern Analysis Using Machine Learning Techniques
Sabyasachi Chakraborty, Inje University, South Korea
Satyabrata Aich, Inje University, South Korea
Hee-Cheol Kim, Inje University, South Korea

21  Optimization of Unit Commitment Problem Using Genetic Algorithm
Aniket Agarwal, Gautam Buddha University, India
Kirti Pal, Gautam Buddha University, India

38  Significance of Non-Academic Parameters for Predicting Student Performance Using Ensemble Learning Techniques
Deepti Aggarwal, JSS Academy of Technical Education, Noida, India
Sonu Mittal, Jaipur National University, Jaipur, India
Vikram Bali, JSS Academy of Technical Education, Noida, India

50  Effect of Preventive Maintenance on Machine Reliability in a Beverage Packaging Plant
Jacob Ben, Papua New Guinea University of Technology, Papua New Guinea
Aezeden O. Mohamed, Papua New Guinea University of Technology, Papua New Guinea
Kamalakanta Muduli, Papua New Guinea University of Technology, Papua New Guinea

67  Research and Statistics: Coronavirus Disease (COVID-19)
Nasir Mustafa, Istanbul Gelisim University, Turkey

COPYRIGHT

The International Journal of System Dynamics Applications (IJSDA) (ISSN: 2160-9772; eISSN: 2160-9799), Copyright © 2021 IGI Global. From the journal’s inception, January 1, 2012, to December 31, 2020, all rights, including translation into other languages is reserved by the publisher, unless otherwise stated in the article manuscript. As of January 1, 2021, this journal operates under the gold Open Access model, whereby all content published after this date is distributed under the terms of the Creative Commons Attribution 4.0 International (CC BY 4.0) License (http://creativecommons.org/licenses/by/4.0/) where copyright for the work remains solely with the author(s) of the article manuscript. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The International Journal of System Dynamics Applications is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; DBLP; Google Scholar; INSPEC; JournalTOCs; MediaFinder; ProQuest Advanced Technologies & Aerospace Journals; ProQuest Computer Science Journals; ProQuest Illustrata: Technology; ProQuest SciTech Journals; ProQuest Technology Journals; The Standard Periodical Directory; UGC-CARE List (India); Ulrich’s Periodicals Directory; Web of Science; Web of Science Emerging Sources Citation Index (ESCI)