



# Vidyavardhini's College of Engineering and Technology, Vasai

विद्यावर्धिनीचे अभियांत्रिकी आणि तंत्रज्ञान महाविद्यालय, वसई

Founder President Late Padmashri. H.G. VARTAK

(Approved by AICTE and Affiliated to the University of Mumbai)

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## DEPARTMENT OF INSTRUMENTATION ENGINEERING

### JOURNAL PAPER PUBLICATIONS

| Title of paper                                                                                                                                             | Name of the author's                                                                       | Dept. of teacher            | Name of Journal                                                            | Year of Publication | ISBN / ISSN Number                               | Link of the recognition in UGC enlistment of the Journal                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------|----------------------------------------------------------------------------|---------------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Algorithms for unconstrained global optimization of nonlinear (polynomial) programming problems: the single and multi-segment polynomial B-spline approach | D. D. Gawali, Ahmed Zidna and P. S. V. Nataraj                                             | Instrumentation Engineering | Computers and Operations Research                                          | 2017-18             | ISSN: 0305-0548                                  | <a href="http://dx.doi.org/10.1016/j.cor.2017.02.013">http://dx.doi.org/10.1016/j.cor.2017.02.013</a>         |
| Hamiltonian modelling and buckling analysis of a nonlinear flexible beam with actuation at the bottom                                                      | M. V. Trivedi, R. N. Banavar, P. Kotyczka                                                  | Instrumentation Engineering | Mathematical and Computer Modelling of Dynamical Systems, Taylor & Francis | 2016-17             | Print ISSN: 1387 - 3954 Online ISSN: 1744 - 5051 | <a href="http://dx.doi.org/10.1080/13873954-2016-1201517">http://dx.doi.org/10.1080/13873954-2016-1201517</a> |
| A Preliminary Examination of the Application of Unscented Transformation Technique to Error Propagation in Nonlinear Cases of Nuclear Data Science         | Harshavardhan Kadvekar, Sana Khan, Sangeetha Prasanna Ram, Jayalekshmi Nair and S. Ganesan | Instrumentation Engineering | Nuclear Science and Engineering,                                           | 2016-17             | ISSN: 0029-5639                                  | <a href="http://dx.doi.org/10.13182/NSE15-103">http://dx.doi.org/10.13182/NSE15-103</a>                       |



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|-----------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------|----------------------|---------------------|---------------------------|---------------------------------------------------------------------------------------------------------|
| Design of Robust Fractional-order controller for 4-leg inverter | Rohan Shegne,<br>Mukesh D. Patil,<br>Vishwesh A.<br>Vyawahare, Balu<br>P. Bhusari | Instrumentation<br>Engineering | IEEE (PEDES<br>2016) | 2016-17             | 978-1-<br>4673-<br>8888-7 | <a href="https://ieeexplore.ieee.org/document/7914489">https://ieeexplore.ieee.org/document/7914489</a> |