

Prof. (Dr.) Yaduvir Singh is presently Professor of Department of Electrical Engineering at School of Engineering, HBTU, Kanpur. Prof. (Dr.) Yaduvir Singh had been Dean (Planning & Resource Generation), World Bank TEQIP Coordinator and Head of Department of Electrical Engineering at HBTI Kanpur during 2013-2016. He teaches Control Systems, Artificial Intelligence, Non-conventional Energy Resources, Power Plant Engineering etc. at UG and PG levels of electrical engineering. His research focus is on Control Systems, Artificial Intelligence, System Modeling, Automation etc.. Prof. (Dr.) Yaduvir Singh obtained Bachelor of Science in Engineering (B.Sc. Engineering) in Electrical Engineering degree from Dayalbagh Educational Institute (Deemed University) Agra in year 1991, Master of Engineering (Control and Instrumentation) from Motilal Nehru Regional Engineering College (now , Motilal Nehru National Institute of Technology) University of Allahabad, Allahabad in year 1993 and Doctor of Philosophy (Industrial Electronics) from Thapar Institute of Engineering and Technology, Patiala in year 2004. Prof. (Dr.) Yaduvir Singh completed his Ph.D. under the supervision of Dr. P. S. Bimbhra, who is an iconic figure, nationally and internationally acclaimed electrical engineer and academician. Prof. (Dr.) Yaduvir Singh as a teaching faculty has served N.E. Regional Institute of Science and Technology (NERIST), Itanagar, G.B. Pant Engineering College (GBPEC), Pauri Garhwal, Harcourt Butler Technological Institute, Kanpur (HBTI, Kanpur) from 1995-2000, Kanpur and Thapar Institute of Engineering and Technology, Patiala till the end of year 2011. Prof. (Dr.) Yaduvir Singh had been Director of Noida Institute of Engineering and Technology (NIET), Greater NOIDA and Executive Director of NIET Business School, Greater NOIDA from January 2012 till March 2013, before joining HBTI Kanpur once again as Professor and Head of Department. Prof. (Dr.) Yaduvir Singh has 17 research publications in SCI listed journals and several research papers in the conferences. Prof. (Dr.) Yaduvir Singh possesses nearly twenty five years of teaching and research experience at UG, PG and PhD of engineering and technology. He has guided more than 65 projects, 59 master level theses / dissertations and 09 PhDs. Several PhDs are in the pipeline. Prof. (Dr.) Yaduvir Singh has already applied for patent of Efficient Myo-electric Prosthetic Arm. Patent applications will also be filed for other prototypes developed for Smart Walking Stick and Smart Wheel Chair. Prof. (Dr.) Yaduvir Singh has already authored 08 bestselling technical books in the areas of electrical, electronics and soft computing. He is considered to be an encyclopedic writer in these areas. He is member of several professional bodies and societies. Included in Prof. Singh's research interests are the areas of electrical and electronic systems, intelligent systems design, soft computing, automated control systems, artificially intelligent systems, industrial electronics, robotics, system modeling and identification, graph theory, design of instrumentation systems etc.. His other areas of interest, works, practice and study are time travel and spirituality.

### Published Research Papers in Journals

| Title                                                                                                                    | Journal                                                               | Volume/Issue/ISSN/ISBN/Impact Factor if any | Year |
|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------|------|
| Uncertainty Compensation and Efficient Speed Control of DC Shunt Motor using Advanced Fuzzy Logic: a Case Study pp.72-83 | AMSE Journal                                                          | Vol.62, No. 2                               | 2005 |
| Fuzzy-Genetic Optimal Control for Robotic Systems pp. 204-212                                                            | International Journal of Physical Sciences (Academic Press)           | Vol.6(2)                                    | 2011 |
| Fuzzy Fault Tree Approach for Analyzing the Fuzzy Reliability of a Gas Power Plant pp 354-371                            | International Journal of Reliability and Safety (IJRS) (Inderscience) | Vol. 6, No. 4                               | 2012 |
| Application of non-normal p-norm trapezoidal fuzzy number in reliability evaluation of electrical substations pp         | Neural Comp. & Appl. (Springer)                                       | DOI10.1007/s00521-012-0949-7Springer        |      |

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| Vague Modeling for risk and reliability analysis of compressor system pp                                        | Journal of Concurrent Engineering (Sage)                                                                       | DOI: 10.1177/1063293X11435178<br>SAGE |      |
| Vague Reliability Assessment of Combustion System using Petri Nets and Vague Lambda-Tau Methodology pp. 665-681 | Emerald Engineering Computations : International Journal for Computer-Aided Engineering and Software (Emerald) | Vol. 30, No. 5                        | 2013 |
| Reliability analysis of object oriented systems using vague lambda-tau modelling pp. 151 - 168                  | Int. J. Fuzzy Computation and Modelling, (Inderscience)                                                        | Vol. 1, No. 2                         | 2014 |