



Dr. Satya Prakash Dubey

Vice – Chancellor, The ICFAI University, Raipur |In Higher Education since 2000| R&D

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PROFILE

- **Ph.D in Electrical and Electronic Engineering from BITS, Pilani coupled with Master of Engineering in Electrical Engineering from IIT Roorkee**, offering **over 20 years** of experience towards the teaching process, curriculum design, research & development, Ph.D. supervision, and administration at various level.
- **Proven expertise in Electrical and Electronic Engineering, Applications of AI in Electrical Engineering, and Techno-commercial feasibility of Renewable energy in Heavy Industries.** Extensive publication record (SCI /SCOPUS), presented research work at national and international conferences.
- **Granted 2 and filed 2 Patents, Completed 5 funded projects includes TEQIP-II (World Bank Funded of INR 4.0 Crore), guided 6 Ph.D. thesis and 30 M.Tech. thesis.**
- **Serve the national level institutes BITS Pilani and IIT Roorkee as faculty member for almost one decade.**
- **Experienced the administrative positions of Head of Department, Dean (Research & development) and Dean (Academics) at for last 10 years.**
- **Serving IIIT – Pune as Visiting Faculty since Nov 2020.**
- **Competence** in providing quality subject knowledge to all students using all the tools and skills and knowledge and manage coverage of assigned subjects as per academic curriculum to students. Kept abreast of the latest developments in trends as well as administrative techniques in my field and move changing times.
- **Gathered exposure** while teaching more than one university subjects to undergraduate & postgraduate students; reviewing pre-set educational goals, objectives and classroom instructional programs, establishing academic/other performance objectives.
- **Highly motivated, dynamic** and single-minded in with flair for connecting with young minds and nurturing as well as fostering their development to their utmost potential.

EDUCATION

Doctor of Philosophy, Electrical and Electronic Engineering



Birla Institute of Technology & Science, Pilani
(BITS, PILANI)

Successfully Completed,
April 2006

Master of Engineering, Electrical Engineering



Indian Institute of Technology, Roorkee
(IIT Roorkee)

Completed,
January 2000
Division 1st

Bachelor of Engineering, Electrical Engineering



Govt. Engineering College, Raipur

Completed,
August 1995
Division 1st

GATE – 1998 (Qualified)

AIR - 315



April 2021 – Current Vice – Chancellor, The ICFAI University, Raipur, Chhattisgarh

- Coordinate the overall development of and implement the University's Vision and Goals Statement
- Coordinate university strategic planning
- Lead the processes of university administrator selection and oversee the processes of faculty and staff selection and retention



January 2020 – March 2021 Dean (Academics), MATS University, Raipur, Chhattisgarh

- Coordinate the development of and implement the University's Vision and Goals Statement
- Coordinate university strategic planning and curriculum development
- Supervise, evaluate, and support Schools in a manner that promotes excellence in instruction, scholarly and creative productivity
- Lead the processes of university administrator selection and oversee the processes of faculty and staff selection and retention
- Coordinate the professional development of school administrators and staff
- Evaluate school administrators and staff in consultation with school faculty and staff
- Review School policies, procedures, and recommendations for appointment, retention, tenure, and/or promotion of faculty, and ensuring that all policies are followed;
- Evaluate overall school productivity in instruction, research, and service responsibilities.



July 2010 - January 2020 Professor and Dean (R&D) Rungta College of Engineering and Technology, Bhilai, Chhattisgarh

- Taught UG and PG Subjects
- Supervised M.E. and Ph.D. Scholars
- Coordinator of Central Research Committee
- Mentor for Research Scholars
- Member of College NBA Committee
- Member of College NAAC Committee
- Motivates Faculty Members and Scholars for Quality Publications
- Encourages Faculty Members to work for Funded Research Projects
- Coordinates Organizing of National/International Conferences and Seminar
- Design and Conducts Faculty Development Programs
- Member of College Anti-ragging Committee
- Professor Member, Board of Studies of University
- Professor Member, Syllabus Review Committee of University
- Member, Plagiarism Committee of University



May 2007 - July 2010 Assistant Professor Indian Institute of Technology, Roorkee

- Taught UG and PG Subjects
- Mentor for UG Students
- Project Coordinator for the UG Students
- Supervised M. Tech. and Ph.D. Scholars
- Member of Departmental Research Committee
- Member of Departmental Anti-ragging Committee
- Member of Institute Sports Committee



September 2000 - May 2007 Assistant Professor BITS, PILANI

- Taught UG and PG Subjects
- Project Mentor for UG Students
- Member of Departmental Research Committee
- Hostel Warden for 3 years
- Member of Anti-ragging Committee of Institution



Visiting Faculty: I I T & M Gwalior (July 2007 – May 2009)

- Taught UG Course Control Systems
- Taught UG Course Signals and Systems



Visiting Faculty: I I T – Pune (Nov.2020 – March 2021)

- Teaching UG Course Signals and Systems

MEMBERSHIP WITH PROFESSIONAL BODIES

- ✓ Fellow and Life Member (IETE)
- ✓ Senior Member IEEE (Membership No. : 92721186)

FUNDED PROJECTS/WORKSHOPS

S.N.	Title	Sponsoring Agency	Role	Sanctioned Amount	Status
1	Power Quality Solutions for Industrial Applications	AICTE (RPS)	Principal Investigator	10.00 Lac	Completed
2	Modernization and Removal of Obsolescence Scheme	AICTE (MODROBS)	Principal Investigator	12.70 Lac	Completed
3	Development of Improved DC-DC Converter for Renewable Generation	AICTE (RPS)	Principal Investigator	17.27 Lac	Completed
4	Development of carbonized agro granules for the removal of surfactants from waste water/environmental sample	Chhattisgarh Council of Science & Technology	Co-Principal Investigator	5.0 Lac	Ongoing
5	TEQIP-II, Subcomponent 1.1	World Bank	Co-ordinator/Nodal Officer (Academic)	4.00 Crore	Completed
6	Two-day workshop on “Advances in Non-conventional Energy Sources”	Chhattisgarh Council of Science & Technology	Convener	0.35 Lac	Conducted on 23-24 Dec., 2015
7	Reflections on Professional Disposition and Campus Empowerment Through Academic Integrity	AICTE (STTP)	Coordinator	3.18 Lac	Conducted on 23-28 Sept, 2019

PH.D. GUIDED/ONGOING

S.N.	Status	Title	Supervised	Uni./Institute	Year	Student Name
1	Awarded	Power Quality Improvement with Shunt Active Power Filter	Jointly	IIT, Roorkee	2012 (defense date: 06/07/2012)	Nitin Gupta
2	Awarded	An Improved Bidirectional Converter	Jointly	IIT, Roorkee	2012 (defense date: 15/12/2012)	B. L. Narasimharaju
3	Awarded	Modeling, Simulation, and Analysis of Permanent Magnet Synchronous Motor Drive	Solely	Dr. C V Raman University, Bilaspur	2017 (defense date: 08/12/2017)	Anurag Singh Tomar
4	Awarded	Size Optimization of Stand-alone Hybrid Renewable Energy System	Solely	CSVТУ, Bhilai	2018 (defense date: 26/12/2018)	Satya Prakash Makhija
5	Awarded	Efficiency Optimization in Variable Frequency Induction Motor Drive	Solely	CSVТУ, Bhilai	2019 (defense date: 05/09/2019)	Prashant Choudhary
6	Awarded	Performance Analysis of 1200 kV Ultra High Voltage Transmission System	Solely	CSVТУ, Bhilai	2020 (defense date: 10/07/2020)	Satyadharma Bharti
7	Ongoing	Techno-Commercial Feasibility Analysis of Floating Solar PV Grid Integrated System in Chhattisgarh	Solely	CSVТУ, Bhilai	-----	Tanu Rizvi
8	Ongoing	Enhancing Brushless D.C. Motor Drive Performance Using Hybrid Commutation Technique	Jointly	CSVТУ, Bhilai	-----	Julie Singh
9	Ongoing	Multilingual Speech Recognition for Emotional State Analysis using Soft Computing	Jointly	CSVТУ, Bhilai	-----	Amiy Kolhey
10	Ongoing	Detection and Classification of Brain Disease using Soft Computing	Jointly	CSVТУ, Bhilai	-----	Swetangi Kala

THESIS GUIDED (M.TECH/M.E.)

S.N.	Status	Thesis Title	Supervised	Uni./Institute	Student Name
1	Awarded	Performance Evaluation of Matrix Converter Fed Induction Motor Drive	Jointly	IIT, Roorkee	N.V.D.V. Prasad Madasu
2	Awarded	Simulation of Bi-directional DC-DC Converter	Solely	IIT, Roorkee	V. Nagababu Thatipaka
3	Awarded	Simulation and Performance Investigation of Z-Source Inverter for Electric Vehicles	Solely	IIT, Roorkee	Prasanth Reddy D.B.
4	Awarded	Analysis of Doubly-Fed Induction Generator	Jointly	IIT, Roorkee	Chinnarao S.

S.N.	Status	Thesis Title	Supervised	Uni./Institute	Student Name
5	Awarded	Performance Comparison of Shunt Active Power Filter Topologies	Jointly	IIT, Roorkee	Sudhakar Bakki
6	Awarded	Modeling, Simulation and Analysis of Shunt Active Power Filter	Solely	CSVТУ, Bhilai	Mridul Jha
7	Awarded	Modeling, Simulation and Analysis of ANN based Hybrid Active Power Filter	Solely	CSVТУ, Bhilai	Luxmi Devi Sahu
8	Awarded	Modeling, Simulation and Analysis of PMSM Drives	Solely	CSVТУ, Bhilai	Julie Singh
9	Awarded	Modeling, Simulation and Analysis of Matrix Converter	Solely	CSVТУ, Bhilai	Bharti Sharma
10	Awarded	Z-Source Inverter Based Induction Motor Drive	Solely	CSVТУ, Bhilai	Rashmi Biswas
11	Awarded	Modeling, Simulation and Comparative Analysis of Two, Three and Five Level Voltage Source Inverters	Solely	CSVТУ, Bhilai	Divya Pathak
12	Awarded	Z-Source Inverter Based Hybrid Generation System	Solely	CSVТУ, Bhilai	Payal Roy
13	Awarded	Fuzzy Based Speed Control of DC Motor Drive	Solely	CSVТУ, Bhilai	Astha Tiwari
14	Awarded	Comparative Analysis of Speed Control of Permanent Magnet Synchronous Motor Drive Using PI Controller and Fuzzy Controller	Solely	CSVТУ, Bhilai	Madhumita Chakravorty
15	Awarded	Simulation Performance Analysis of six-phase Permanent Magnet Synchronous Motor Drive	Solely	CSVТУ, Bhilai	Prittee Mishra
16	Awarded	Multilevel Inverter Fed PMSM Drive with PI and Fuzzy Control	Solely	CSVТУ, Bhilai	Richa Pandey
17	Awarded	Performance Comparison of PI & Fuzzy Logic Controller Based BLDC Motor Drive Fed with Multilevel Inverter	Jointly	CSVТУ, Bhilai	Pritha Agrawal
18	Awarded	Adaptive Control Schemes for DC-DC Buck Converter	Solely	CSVТУ, Bhilai	Nanda R. Mude
19	Awarded	ANN based Hybrid Active Power Filter for PMSM Drive	Solely	CSVТУ, Bhilai	Shweta Mishra
20	Awarded	Voltage Mode Control based Flyback Converter with PID and Fuzzy Logic Controller	Solely	CSVТУ, Bhilai	Vibha Janardhan
21	Awarded	Modeling, Simulation and Performance Analysis of Matrix Converter Fed Induction Motor Drive	Solely	CSVТУ, Bhilai	Kahkashan Quraishi
22	Awarded	Fuzzy Controlled Six-Phase Permanent Magnet Synchronous Motor Drive	Jointly	CSVТУ, Bhilai	Manju
23	Awarded	Performance Analysis of Six Phase Permanent Magnet Synchronous Generator	Solely	CSVТУ, Bhilai	Rahila Parveen

S.N.	Status	Thesis Title	Supervised	Uni./Institute	Student Name
24	Awarded	Efficient Photo Voltaic Interfaced Neural Network Based Hybrid Active Power Filter	Solely	CSVТУ, Bhilai	Anima Yadaw
25	Awarded	Ant Colony Optimization based Hybrid Active Power Filter for Harmonic Compensation	Solely	CSVТУ, Bhilai	Akhilesh Kumar Tiwari
26	Awarded	PI and Fuzzy Logic Controller based multilevel Z-source Inverter Fed PMSM Drive	Solely	CSVТУ, Bhilai	Deepshikha Shrivastava
27	Awarded	PI and Fuzzy Logic Controller based multilevel Z-source Inverter Fed BLDC Motor Drive	Solely	CSVТУ, Bhilai	Neha Prajapati
28	Awarded	Performance Analysis of Fractional Order PI Based PMSM Drive System under Dynamic Loading Condition	Solely	CSVТУ, Bhilai	V. Hemant Kumar
29	Awarded	Fractional Order PI Controller Based Wind Energy Conversion System Using Multilevel Inverter	Solely	CSVТУ, Bhilai	Disha Tiwari

PATENT FILED

S.N.	C.B.R. No.	Application No.	Date of Filing	Title of Invention
1	18968	4108/MUM/2014	22/12/2014	Electrically Stimulated Seed Germination Kit (status: published on 26 June,2016, Examination completed)
2.	2476	201921004298	04/02/2019	Air Tube Technology For Floating Solar Photo Voltaic Panel
3.	8160	329315-001	14/05/2020	Gloves for Soil and Plant Quality Identification (Accepted and Published Journal No. 26/2020 dated 26/06/2020)
4.	8958	329676-001	29/05/2020	Magnetic Seed Germination Machine
5.	11134	330670-001	02/07/2020	High Voltage Seed Germination Booster

CONFERENCE/WORKSHOP ORGANIZED

S.N.	Role	Conf./workshop	Date
1	Joint Organizing Secretary	<i>4th International conference on Computer applications in Electrical Engineering Recent Advances (CERA-09), IIT Roorkee</i>	19-21, Feb 2010
2	Convener	<i>National Workshop on Emerging Technologies in Power Electronics, Electric Drives and Power Systems," RCET, Bhilai</i>	30, Dec 2011
3	Convener	<i>Shaastrarth 2015: An International Conference on "Advanced Research Applications in Engineering and Technology, at RCET, Bhilai</i>	29-30, Jun 2015
4	Convener	Two-day workshop on "Advances in Non-conventional Energy Sources" (CGCOST Funded)	23-24, Dec 2015

5	Convener	Shaastrarth 2016: An International Conference on "Innovations in Sciences, Engineering and Technology, at RCET, Bhilai	25-26, Feb 2016
6	Convener	Shaastrarth 2017: An International Conference on "Socio-economic Impact of Innovations in Sciences & Engineering", at RCET, Bhilai	16-17, Dec 2017
7	Co-ordinator	One Day STTP On "Development of fourth generation technology in the field of optoelectronics" Under TEQIP-III	30 May 2019
8	Co-ordinator	One Week STTP on "Reflections on Professional Disposition and Campus Empowerment through Academic Integrity" AICTE Sponsored	23 Sep – 28 Sep. 2019

BOOK AND BOOK CHAPTER

Satya Prakash Dubey

"Neural Networks in Active Power Filtering: Concept, Design and Modeling"

Publishing house: Scholars' Press,

ISBN-13: 978-3-639-71102-8, ISBN-10: 3639711025, EAN: 9783639711028.

S.P. Dubey, S.P. Makhija

Book chapter accepted **"Power Quality Problems and Solutions in Renewable Energy"** in Handbook of Renewable Energy & Technology Systems.

Publishing house: WORLD SCIENTIFIC Publishing, Europe Ltd., London, UK.

Bharti S, S.P. Dubey

Lecture Notes Chapter **"Modeling, Simulation and Validation of 1200kV UHV Autotransformer"** Lecture Notes in Electrical Engineering Book Series (LNEE, Volume 630) LNEE, **Springer, Singapore**. Pages 71-86.

(<https://link.springer.com/book/10.1007/978-981-15-2305-2>)

OTHER ACADEMIC ACTIVITIES

S.N.	Activity	Details
1	Guest Lectures/Key Note Delivered	More than 30 (NIT, Raipur and other engineering colleges)
2	Consultancy Work	Research Project at IIIT & M (Gwalior)
3	Visiting Faculty	Worked as Visiting Faculty at IIIT & M, Gwalior (During 2007-08 and 2008-09)
4	University Representation	Co-Editor, CSVTU Research Journal ISSN-0974-8725 since 2013
5	Award	Outstanding Teacher Award Year 2013-14 at Rungta College of Engineering & Technology, Bhilai
6	Chairman	Central Research Committee, RCET, Bhilai

7	Course Coordinator	<i>Intensive Learning Programme on MATLAB® and Simulink,” RCET, Bhilai</i>
8	Convener	<i>Impulse 2011 & 2012-National Level Technical Festival,” RCET, Bhilai</i>
9	Professor Member, Board of Studies of University	<i>Board of Studies of Electrical Engineering of University</i>
10	Member, Plagiarism Committee	<i>Three-Member Committee for Plagiarism Checking for Ph.D. Thesis work, Formed by Hon. Vice- Chancellor of University</i>
11	TEQIP-III College Coordinator	<i>CSVТУ, Bhilai TEQIP-III Programme</i>
12	Chancellor Nominee, Academic Council	<i>ITM University, Raipur</i>
13	Visiting Faculty	Visiting Faculty at IIIT - Pune (Nov 2020 - March 2021)

PUBLICATIONS AND CONFERENCES

International Journal (SCI Indexed)

1. Narasimharaju B. L, S. P. Dubey, S.P. Singh, “Design and Analysis of Coupled Inductor Bidirectional DC-DC Converter for High Voltage Diversity Applications”, *IET International Journal on Power Electronics*, 2012, Vol. 5, Iss. 7, pp. 998–1007, ISSN 1755-4535. (Indexing: SCI Indexed) (Impact Factor: 2.267)
2. Satya Prakash Makhija, and S.P. Dubey, “Techno-Economic Analysis of Standalone Hybrid Energy Systems to Run Auxiliaries of a Cement Plant Located in Jamul, Chhattisgarh, India” *Environmental Progress & Sustainable Energy*, American Institute of Chemical Engineers, Wiley online library, Vol. 35, No. 1, pp. 221-229, Jan 2016. (Indexing: SCI Indexed) (Impact Factor: 1.326)
3. S P Makhija, S P Dubey, “Feasibility of PV-biodiesel hybrid energy system for a Cement Technology Institute in India”, *Environment Development and Sustainability*, Springer publications, Netherlands, 1-11. (DOI: 10.1007/s10668-016-9886-4). (Indexing: SCI Indexed) (Impact Factor: 1.379)
4. Satyadharm Bharti and Satya Prakash Dubey, “No-load performance study of 1200 kV Indian UHVAC transmission system,” *High Voltage IET*, Vol. 1, Iss. 3, pp. 130–137, 2016. (Indexing: SCI Indexed)
5. S P Makhija, S P Dubey, “Feasibility Analysis of Biomass-based Grid-Integrated and Stand-Alone Hybrid energy Systems for a Cement Plant in India”, *Environment Development and Sustainability*, Springer publications, Netherlands, Dec 2017. <https://doi.org/10.1007/s10668-017-0064-0>. (Indexing: SCI Indexed) (Impact Factor: 1.379)
6. Prashant Kumar Choudhary and S. P. Dubey, “Energy Efficient Operation of Induction Motor Drives: Economic and Environmental Analysis in cement Manufacturing”, *Environmental Progress & Sustainable Energy*, American Institute of Chemical Engineers, Wiley online library, Nov 2018. (Indexing: SCI Indexed) (Impact Factor: 1.326)
7. Prashant Kumar Choudhary and S. P. Dubey, “Energy Efficient Operation of Pump Drives in a Cement Plant”, *Energy & Environment*, SAGE Publication, vol. 29, 7: pp. 1174-1188, 2018. (Indexing: SSCI Indexed) (Impact Factor: 0.568)

1. Satya Prakash Dubey, Pukhraj Singh, and H.V. Manjunath, "DSP based neural network controlled hybrid active power filter," ***International Journal of Emerging Electric Power System*, Vol.4, No. 2, pp. 1-16, 2005. (Indexing : Elsevier – SCOPUS) (Impact Factor: 0.248)**
2. N. Gupta, S. P. Dubey, and S. P. Singh, "Neural network-based shunt active filter with direct current control for power quality conditioning," ***International Journal of Power Electronics*, Inder-Science Publishers Vol. 6, No. 3, pp. 597-620, 2011. (Indexing: Elsevier – SCOPUS)**
3. N. Gupta, S. P. Singh, S. P. Dubey, and D. K. Palwalia, "Fuzzy logic controlled three-phase three-wired shunt active power filter for power quality improvement," ***International Review of Electrical Engineering*, Vol. 6, No. 3, pp. 1118-1129, May-June 2011. (Indexing: Elsevier - SCOPUS)**
4. Jha M, Dubey S. P. , "Neuro-fuzzy based controller for a three-phase four-wire shunt active power filter," ***International Journal of Power Electronics and Drive Systems*, 1(2), pp. 148-155, 2011. (Indexing : Elsevier – SCOPUS)**
5. N. Gupta, S. P. Singh, S. P. Dubey, and D. K. Palwalia, "Digital Signal Processor based Performance Investigation of Indirect Current Controlled Active Power Filter for Power Quality Improvement," ***International Journal of Emerging Electric Power System*, Vol.13, No. 2, pp. 1-16, Jun 2012, DOI: 10.1515/1553-779X.2723, June 2012. (Indexing : Elsevier – SCOPUS) (Impact Factor: 0.248)**
6. Sahu, L.D., Dubey, S.P. "ANN based hybrid active power filter for harmonics elimination with distorted mains," ***International Journal of Power Electronics and Drive Systems*, 2(3), pp. 241-248, 2012. (Indexing : Elsevier – SCOPUS)**
7. Agrawal, P., Dubey, S.P., Bharti, S., "Comparative study of fuzzy logic based speed control of multilevel inverter fed brushless DC motor drive," ***International Journal of Power Electronics and Drive Systems*, 4(1), pp. 70-80, 2014. (Indexing : Elsevier – SCOPUS)**
8. Tomer, A.S., Dubey, S.P., "Performance comparison of six phase PMSM drive system by using conventional PI and fuzzy logic controller," ***International Journal of Applied Engineering Research*, 10(18), pp. 39541-39546, 2015. (Indexing : Elsevier – SCOPUS)**
9. Tomer, A.S., Dubey, S.P., "Response based comparative analysis of two inverter fed six phase PMSM drive by using pi and fuzzy logic controller," ***International Journal of Electrical and Computer Engineering*, 6(6), pp. 2643-2657, 2016. (Indexing : Elsevier – SCOPUS)**
10. Satya Prakash Makhija, and S.P. Dubey, "Optimally sized hybrid energy system for auxiliaries of a cement manufacturing unit with diesel fuel price sensitivity analysis" ***International Journal of Ambient Energy*, Taylor & Francis, Online published 01 Sept., 2015. (Indexing : Elsevier – SCOPUS) (Impact Factor: 0.89)**
11. Satya Prakash Makhija, and S.P. Dubey, "Feasibility Analysis of Distributed Solar Electricity Penetration in Cement Manufacturing Unit" ***International Journal of Ambient Energy*, Taylor & Francis, Online published Nov 2017. (Indexing : Elsevier – SCOPUS) (Impact Factor: 0.89)**
12. Prashant Kumar Choudhary and Satya Prakash Dubey, "Efficiency Optimization of Induction Motor Drive at Steady-State Using Artificial Neural Network", ***World Journal of Modelling and Simulation*, Vol.13, No.2, pp.94-104, 2017. (Indexing : Elsevier – SCOPUS) (Impact Factor: 0.54)**
13. Satyadharm Bharti and Satya Prakash Dubey, "Application of Smart Computing Techniques in Cost Optimization of 1200 kV Autotransformer", ***Journal of Information and Optimization Sciences*, Taylor & Francis, pp. 1-14, 2017. (Indexing : ESCI)**
14. Satyadharm Bharti and Satya Prakash Dubey, "Controlled Shunt Reactor for UHVAC System Reactive Power Control", **Accepted for Publication in Recent Advances in Electrical & Electronic Engineering, Vol.13, Issue 3, pp. 417-425, 2020. (Indexing : Elsevier – SCOPUS)**

15. Satyadharm Bharti and Satya Prakash Dubey, "Design and Analysis of TCSC Performance for 1200 kV UHVAC Transmission System", **Recent Advances in Electrical & Electronic Engineering**, Vol. 13, Issue 4, pp. 546-558, 2020.
DOI:10.2174/2352096512666190422162108. (Indexing : Elsevier – SCOPUS)
16. Tanu Rizvi, Nagendra Tripathi and S. P. Dubey, "Feasibility Analysis of a Grid Integrated renewable Energy System in Heavy Industries", **Journal of Advanced Research in Dynamical & Control Systems**, Vol. 12, Issue-06, 2020. (Indexing : Elsevier – SCOPUS)

OTHER JOURNALS PUBLICATIONS (NATIONAL AND INTERNATIONAL)

1. Narasimharaju. B. L, Satya Prakash Dubey and S. P. Singh, "Analysis of PI controlled Bidirectional Converter for Discharge and Charge Applications" **International Journal of Recent Trends in Engineering and Technology (IJRTET)**, Vol. 4, No. 3, Nov 2010, ISSN 2158-5555, pp. 7-11.
2. Narasimharaju B. L, S. P. Dubey and S. P. Singh, "Performance Evaluation of Fuzzy Logic Controlled Bidirectional DC to DC Converter" **TECHNIA-International Journal of Computing Science and Communication Technologies**, Vol. 3, No. 2, Jan. 2011. (ISSN: 0974-3375), pp. 598- 603.
3. N. Gupta, S. P. Singh, and S. P. Dubey, "Digital signal processor based single phase power quality compensator under distorted supply voltage," **UTM-Journal of Electrical Engineering (Elektrika)**, Vol. 13, No. 1, pp. 24-34, 2011.
4. N. Gupta, S. P. Singh, and S. P. Dubey, "DSP based adaptive hysteresis-band current controlled active filter for power quality conditioning under non-sinusoidal supply voltages," **International Journal of Engineering, Science and Technology (IJEST)**, Vol. 3, No. 4, 2011, pp. 236-252.
5. Satya Prakash Dubey, Pukhraj Singh, and H.V. Manjunath, "A Neural Network based Harmonic Suppression Scheme for Three-Phase Four-Wire System," **Journal of the Energy and Fuel User's Association of India**, Vol.-LV, Book-2, July-Sep. 2005, pp. 22-30.
6. Satya Prakash Dubey, and Anurag Singh Tomar, "A NN based 3-Phase 3-Wired Hybrid Active Power Filter under Non-Ideal Mains Voltages," **The IUP Journal of Electrical & Electronics Engineering**, Vol. 3, No. 4, pp. 21-37, October 2010.
7. Rahila Parveen, S.P. Dubey, "Modeling and Simulation of Six- Phase PMSG with Six-phase Load," **International Journal of Advanced Research in Electronics and Communication Engineering**, Vol. 3, Issue 10, Oct 2014.
8. Rahila Parveen, S.P. Dubey, "Modeling and Comparative Performance of Six- Phase PMSG with Six-phase Load and its Application," **JETIR**, ISSN: 2349-5162.
9. Anima Yadav, S.P. Dubey, "Performance Analysis of PV Interfaced Neural Network based Hybrid Active Power Filter," **International Journal of Engineering Research and Application**.
10. Anima Yadav, S.P. Dubey, "Performance Neural Network based PV Interfaced Hybrid Active Power Filter under Unbalanced Supply and Distorted Mains Condition," **International Journal of Engineering Trends and Technology**.
11. V. Hemant Kumar, Satya Prakash Dubey, "Fractional Order PI Controller Based PMSM Drive under Dynamic Loading Conditions," **International Journal of Science and Technology**, Vol. 10, issue 20, June 2017.
12. V. Hemant Kumar, Satya Prakash Dubey, "Comparative Performance of PMSM Drive using FOPI and PI Controllers under Dynamic Loads," **International Journal for Scientific Research and Development**, Vol. 5, issue 5, 2017.
13. Neha Prajapati, Deepshikha Shrivastava, S.P. Dubey, "Z-Source Multilevel Inverter based Brushless DC Motor Drive," **International Journal for Scientific Research and Development**, Vol. 4, issue 2, 2016.
14. Neha Prajapati, S.P. Dubey, "Study of Induction Motor Performance using Finite Element Method," **International Journal of Advanced Engineering Technology**, Dec 2016.
15. Disha Tiwari, S.P. Dubey, "Improved Performance of FOPI based Wind Energy Conversion System using Multilevel Inverter," **International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering**, Vol 6, issue 9, Sep 2017.

- 16 Disha Tiwari, S.P. Dubey, "Performance Analysis of Fractional Order PI Controller based Wind Energy Conversion System," *International Journal for Scientific Research and Development*, Vol 5, Issue 7, 2017.
- 17 Disha Tiwari, S.P. Dubey, "A Comparative Analysis of Wind Energy Conversion System with PI and FOPI Controller," *International Journal for Scientific Research and Development*, Vol 5, Issue 7, 2017.
- 18 Vibha Janardhan, S.P. Dubey, "Linear Control Analysis of Closed Loop Switch Mode Flyback Converter," *International Journal of Emerging Technologies and Innovative Research*, Dec 2016.

International Conference (Outside India)

1. Satya Prakash Dubey, Pukhraj Singh, H.V. Manjunath, and Rahul Verma, "Neural Network Controlled Parallel Hybrid Active Power Filter," *International conference on Power System, ICPS 2004, Kathmandu, Nepal, P (122), pp. 635-639.*
2. N. Gupta, S. P. Dubey and S. P. Singh, "PLL less Shunt Active filter with Direct Current Control for Power Quality Conditioning," *in proceedings of 5th IEEE Conference on Industrial Electronics and Applications (ICIEA-2010) Taichung (Taiwan), June 15-17, 2010. (Indexing – Elsevier – SCOPUS)*
3. N. Gupta, S. P. Dubey and S. P. Singh, "Neural Network based Shunt Active Filter for Harmonic and Reactive Power Compensation under Non-ideal mains Voltage," *in proceedings of 5th IEEE Conference on Industrial Electronics and Applications (ICIEA-2010) Taichung (Taiwan), June 15-17, 2010. (Indexing – Elsevier – SCOPUS)*
4. N. Gupta, S. P. Dubey and S. P. Singh, "Neural Network based Active Power Filter for Power Quality Improvement," *in proceedings of IEEE Power and Energy Society (PES) General Meeting, Minneapolis, Minnesota, USA, July 25-29, 2010. (Indexing – Elsevier – SCOPUS)*
5. Narasimharaju B. L, S. P. Dubey and S. P. Singh, "Voltage Mode Control of Coupled Inductor Bidirectional DC to DC Converter" *in Proc. IEEE International conference EDSSC'10, IEEE ED & SSC societies association with University of Hong Kong, Ref.: #1569360451, 15th – 17th Dec 2010. (Indexing – Elsevier – SCOPUS)*
6. Narasimharaju B. L, S. P. Dubey and S. P. Singh, "Modelling and Stability Analysis of Coupled Inductor Bidirectional DC-DC Converter" *Proc. IEEE International conference EDSSC'10, IEEE ED & SSC societies association with University of Hong Kong, Ref.: #1569360483, 15th – 17th Dec 2010. (Indexing – Elsevier – SCOPUS)*

International Conference (Within India)

1. Rajneesh Kumar, Satya Prakash Dubey, Dheerendra Singh, and H.V. Manjunath, "Output Voltage Distortion in a High Switching Frequency PWM Inverter," *International Conference on Energy Automation and Information Technology, Indian Institute of Technology Kharagpur, EAIT-2001, pp.581-586.*
2. Narasimharaju B. L, S. P. Dubey and S. P. Singh, "Performance Analysis of a Coupled Inductor Bidirectional DC to DC Converter", in *Proc. 4th International Conference CERA2009, IIT Roorkee, pp. 1 (26) – 5(26), February 2010.*
3. Narasimharaju B. L, S. P. Dubey and S. P. Singh, "Intelligent Technique for Improved Transient and Dynamic Response of Bidirectional DC-DC Converter" *in Proc. IEEE Int. Conf. ICPCES2010, MNNIT India in association with Queens University, Canada & ABB, Bangalore, pp. 1(38)-6(38), 28th Nov – 1st Dec 2010. (Indexing – Elsevier – SCOPUS)*
4. N. Gupta, S. P. Dubey and S. P. Singh, "DSP based Control Algorithm for Three-Phase Four-Wire Shunt Active Filter without Load and Filter Current Measurement," *in proceedings of IEEE INDICON 2010, Jadavpur University, Kolkata, INDIA, Dec 17th – 19th, 2010. (Indexing – Elsevier – SCOPUS)*
5. Narasimharaju B. L, S. P. Dubey and S. P. Singh, "Parasitic Effect Considerations in Modeling of CI-BDC Converter and its Voltage Controller" *Proc. IEEE conference PEDES'10, 2010 POWER INDIA, IEEE PES, IAS, PELS & IES societies, 20th – 23rd Dec 2010, pp. 1-6. (Indexing – Elsevier – SCOPUS)*
6. Narasimharaju B. L, S. P. Dubey and S. P. Singh, "A Novel Voltage Clamped CI-BDC Converter and its Control for Battery Storage Applications," *Proc. IEEE conference PEDES'10, 2010 POWER INDIA, IEEE PES, IAS, PELS & IES societies,, 20th – 23rd Dec 2010, pp. 1-7. (Indexing – Elsevier – SCOPUS)*

7. N. Gupta, S. P. Dubey and S. P. Singh, "PIL based Control Algorithm for Three-Phase Four-Wire Active Filter for Reactive and Harmonic Compensation under Distorted supply," *in proceedings of IEEE PEDES 2010, Indian Institute of Technology, Delhi, INDIA, Dec. 21st – 23rd, 2010. (Indexing – Elsevier – SCOPUS)*
8. Narasimharaju B. L, S. P. Dubey and S. P. Singh, "Coupled Inductor Bidirectional DC-DC Converter for Improved Performance", *in Proc. IEEE International Conference IECR2010, NIT Rourkela, India, 27-30 Dec 2010, pp. 1(21)-6(21).*
9. N. Gupta, S. P. Dubey and S. P. Singh, "Fuzzy logic controlled shunt active power filter for reactive power compensation and harmonic elimination," accepted for the presentation and publication in *2nd IEEE International Conference on Computer & Communication Technology (ICCT-2011), MNNIT Allahabad, Sept. 15 – 17, 2011. (Indexing – Elsevier – SCOPUS)*
10. Mridul Jha, and S.P. Dubey, "Neuro-Fuzzy Based Controller For A Shunt Active Power Filter," *in Proc International Conference on Power Systems, ICPS 2011, IIT Madras, December 22 – 24, 2011. (Indexing – Elsevier – SCOPUS)*
11. Alok Kumar Dubey, Satya Prakash Dubey, and Anurag Singh, "Performance Analysis of PSO Based Hybrid Active Filter for Harmonic and Reactive Power Compensation under Non-ideal Mains," *in Proc IEEE 2013 International Conference on Advance Electronic Systems CEERI and BITS, Pilani, Sept. 21 – 23, 2013, pp.-202-206. (Indexing – Elsevier – SCOPUS)*
12. Anurag Singh and Satya Prakash Dubey, "Performance Analysis of Two Inverter Fed Six Phase PMSM Drive," *in IEEE Proc 2013 Nirma University International Conference on Engineering, NUICON-2013, 28-30 November, 2013, Ahmedabad. (Indexing – Elsevier – SCOPUS)*
13. Alok Kumar Dubey, and Satya Prakash Dubey, "Particle Swarm Optimization Based Shunt Active Filter for Harmonic and Reactive Power Compensation," *in IEEE Proc 2013 Nirma University International Conference on Engineering, NUICON-2013, 28-30 November, 2013, Ahmedabad.*
14. Prashant Choudhary, S.P.Dubey, and Vijay Gupta, "Efficiency Optimization of Induction Motor Drive at Steady-State Condition," *IEEE International Conference on Control, Instrumentation, Communication and Computational Technologies, (ICCICCT 2015), Noorul Islam Centre for Higher Education, Nagarcovil, Tamilnadu, 18-19 Dec, 2015. (Indexing – Elsevier – SCOPUS)*
15. Akhilesh Tiwari and S.P.Dubey, "Ant Colony Optimization based Hybrid Active Power Filter for Harmonic Compensation," *IEEE International Conference on Electrical, Electronics and Optimization Techniques, (ICEEOT-16), DMI College of Engineering, Chennai, 3-5 March, 2016. (Indexing – Elsevier – SCOPUS)*
16. Satya Prakash Makhija and S.P. Dubey, "Analysis of effects on hybrid power system's costs and pollutant emissions due to replacement of petroleum diesel with natural gas, fuel oil and biodiesel," *IEEE 3rd International Conference on Electrical Energy Systems 2016" at SSN College of Engg, Chennai, Tamilnadu, 17-19 March, 2016. (Indexing – Elsevier – SCOPUS)*
17. Prashant Choudhary and S.P.Dubey "Efficiency Optimization of Induction Motor Drive at Steady-State using Artificial Neural Network," *IEEE International Conference on Computation of Power, Energy, Information and Communication, (ICCPEIC16), AEC, Melmaruvathur, Tamilnadu, 20-21 April, 2016. (Indexing – Elsevier – SCOPUS)*
18. Nagwanshi, K.K., Kumar, M., Dubey, S.P., "Novel Framework for Efficient Data Transfer (EDT)", *Procedia Computer Science, 2016. (Indexing – Elsevier – SCOPUS).*

National Conference (National Level Institutes)

1. Satya Prakash Dubey, Pukhraj Singh, and H.V. Manjunath, "Three Phase Four Wire Neural Network based Parallel Hybrid Active Power Filter," *National Power Electronics Conference NPEC-2005, Indian Institute of Technology Kharagpur, Dec.22-24, 2005, pp. 72-77.*
2. Satya Prakash Dubey, Pukhraj Singh, and H.V. Manjunath, "Neural Network based Hybrid Active Power Filter under non-ideal conditions," *2nd Control Instrumentation System Conference, CICON-2005, MIT, Manipal, Nov. 11-12, 2005.*
3. Nitin Gupta, S.P. Singh, and S.P. Dubey, "A case study survey of harmonic currents generated from adjustable speed drives in an industrial plant," *National Electrical Engineering Conf. on Power and Energy Systems for Tomorrow (NEEC-2011), Delhi Technological University, Delhi, Dec 16-17, 2011.*
4. Rashmi Biswas, and Satya Prakash Dubey, "Performance Analysis of Z-Source Inverter Based Induction Motor Drive," *3rd National Conference on Power Electronics and Intelligent Control, NCPEIC, Nov. 1-2, 2012, MNIT Jaipur, pp. 105-110.*

5. Preeti Mishra and Satya Prakash Dubey, "Speed Control of Six-Phase Permanent Magnet Synchronous Motor Drive Fed by Multi-level Inverter," **All India Seminar On Recent Advances in Power, Energy and Control (RAPEC-2013), Centre for Renewable Energy Systems, NIT Rourkela, and The Institution of Engineers (India), Nov. 23-24, 2013, NIT Rourkela.**
6. Pritha Agrawal, Satya Prakash Dubey and Satyadharma Bharti, "Fuzzy Logic Based Speed Control of Brushless DC Motor Drive," **All India Seminar On Recent Advances in Power, Energy and Control (RAPEC-2013), Centre for Renewable Energy Systems, NIT Rourkela, and The Institution of Engineers (India), Nov. 23-24, 2013, NIT Rourkela.**
7. Richa Pandey and S.P. Dubey, "Comparative Analysis of Multilevel Inverter Fed PMSM Drive with PI and Fuzzy Control," **All India Seminar On Recent Advances in Power, Energy and Control (RAPEC-2013), Centre for Renewable Energy Systems, NIT Rourkela, and The Institution of Engineers (India), Nov. 23-24, 2013, NIT Rourkela.**
8. Alok Kumar Dubey and Satya Prakash Dubey, "Swarm Intelligence Based Hybrid Active Filter for Harmonic and Reactive Power Compensation," **All India Seminar On Recent Advances in Power, Energy and Control (RAPEC-2013), Centre for Renewable Energy Systems, NIT Rourkela, and The Institution of Engineers (India), Nov. 23-24, 2013, NIT Rourkela.**

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