

RAVI PRAKASH VISHVAKARMA**Lecturer Electrical Engineering**

2/649, Gajikhera, Shuklaganj, Unnao (U.P.) 209861

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Email id: raviraj.vishvakarma@gmail.com**Career objective:**

To use my best of skills in a professional working environment that gives me the opportunity to gain more experience while the institute/company's objectives are realized.

Experiences: 14 Years

- Working as **Lecturer** in **Department of Electrical Engineering** in **Technical Education Department** since July 2021
- Worked as **Assistant Professor** in **Department of Electrical Engineering** at **Rama University, Kanpur** since February 2013 to November 2016
- Worked as **Assistant Professor** in **Department of Electrical & Electronics Engineering** at **Saroj Institute of Technology & Management, Lucknow** from August 2012 to January 2013

Education: 20th position in High school Exam in UP board (district topper)

Degree/Certificate	Year of Passing	University/Board	College/School	Percentage
M. Tech. (Power electronics & drives) with GATE	2012	GBTU (Formerly UPTU)	K.N.I.T. (Sultanpur)	76.2%
B. Tech. (Electrical Engg.)	2010	GBTU (Formerly UPTU)	B.B.D.N.I.T.M. (Lucknow)	76.2%
Intermediate	2005	U.P. Board	S.V.M.I. College	82%
High school	2003	U.P. Board	S.V.M.I. College	82.33%

Publications & Workshop attended: (Total number of papers: 14)B. Tech Project Guided: **05**M. Tech Project Guided: **01**Annexure-I

Type of Publications	Journals		Conferences	
	Published	Under Review	Published	Under Review
International	07	-	04	-
National	-	-	06	-

Annexure-II

Poster Presentation	International Conference	National Conference
	02	-

Annexure-III

	Workshop	Seminar	FDP
Attended	03	01	01
Organised	01	-	-

M. Tech. Thesis, Minor Project & Seminar:

- Thesis worked on “**Power quality improvement through neutral point diode clamped converter using artificial neural network based space vector pulse width modulation technique**” under the guidance of **Dr. S. P. Singh (Assistant Professor)**, and **Prof. T. N. Shukla (Professor)**, **Electrical Engineering Department, KNIT, Sultanpur.**

- Minor project on “**Performance Comparisons of Modulation Techniques for Induction Motor Fed by Cascaded Neutral-Point-Clamped Inverter**”
- Seminar on “**A New Series Parallel Switched Multilevel Dc-Link Inverter Topology**”

B. Tech. Summer Training:

- At **BHARAT HEAVY ELECTRICALS LIMITED JANHSI** on **Power Transformer** from 02-07-2009 to 28-07-2009 under the guidance of **Faheem Khan Ahemad** (A.E. quality & supply).
- At **Panki Thermal Power station Kanpur** from 16-07-2008 to 13-08-2008.

Software skill:

- Programming language known: **C, C++ , PSPICE, MATLAB, PSIM**
- Operating system: Microsoft window 7, Windows **2000/XP**, MS DOS.
- Software: MS Office, Math type, MS Visio.

Extra Academic Activities:

- **Working as Electrical maintenance Officer in Government Polytechnic Kanpur.**
- **Working as Account committee Officer-II in Government Polytechnic Kanpur.**
- **Working as Member of Anti-ragging Committee in Government Polytechnic Kanpur.**
- **Working as Electrical Machine Lab In charge in Government Polytechnic Kanpur.**
- Attended Training program on **Induction Training program** organised by **IRDT Kanpur** from **08 Nov 2021 to 12 Nov 2021.**
- Attended Training program on **VLSI with VHDL** organised by **IRDT Kanpur** from **10 Jan 2022 to 14 Jan 2022.**
- Attended Training program on **IOT with AI and Data Science** organised by **IRDT Kanpur/IIT Patna** from **11 Mar 2022 to 16 Mar 2022.**
- Attended Training program on **Drone Technology** organised by **IRDT Kanpur** from **22 Sep 2025 to 26 Sep 2025.**
- Attended **Industrial Training on Emerging Technologies** (03 Weeks) in **NSIC Aligarh** from **09 march 2026 to 29 march 2026.**
- **Co-ordinator of Science project**, Organised event in **Youth Fest-2012** Saroj Institute of Technology and Management Lucknow, November 6-7,2012
- **Organising member** (Head of Volunteers) of **AICTE sponsored National Conference** on “**Emerging Trends in Electrical and Electronics Engineering (ETEEE-2011)**” during **November 26-27, 2011**, Department of Electrical Engineering, **KNIT Sultanpur (U.P.).**
- **Organising member** of **ASME/AICTE sponsored National Conference** on “**Advances in Mechanical Engineering & Emerging Technologies (AMEET 12)**”, April 7-8, 2012, Department of Mechanical Engineering, **KNIT Sultanpur (U.P.)**
- Participated in **CSIR Program on youth for leadership in science**, at Central Institute of Medical & Aromatic Plants, Lucknow.

Achievements:

- 475 courses certificate earned on IGOT portal
- 8 modules course completed prescribed by AICTE through NITTTR.
- GATE Qualified with **GATE Score 293** in **2012.**
- GATE Qualified with **GATE Score 361** in **2010.**
- Vocational training on ‘**C**’ Language from **UPTEC Computer Consultancy Ltd.**
- **20th position in high school merit list** of U.P. Board, Allahabad in year **2003.**

Personal Information:

- Date of Birth : 05th July 1989
- Marital Status : Married
- Hobbies : Playing PC games, Making Sketch, Listening music, Reading Scientific Article
- Subjective interest : Power electronics & drives, Power system and Switchyard protection
- Strengths : Leadership ,Decision Making, Sincere & Hard working, Willingness to learn, Ability to lead in project

References:

- Prof. K. S. Verma, Director, Electrical Engineering Department, Kamla Nehru Institute of technology, Sultanpur. (Mob no.-09415610987)
- Prof. S. K. Sinha, Head of Electrical Engineering Department, Kamla Nehru Institute of technology, Sultanpur. (Mob no.-09415091562)
- Dr. S. P. Singh, Assistant Professor, Dep't of Electrical Engineering, Kamla Nehru Institute of technology, Sultanpur. (Mob no.-09451051969)

INTERNATIONAL JOURNAL:

- [1] **Ravi Prakash Vishvakarma & et. al., “Characterization of Voltage Sags and its Mitigation using Custom Power Devices in emerging Power System”** in International Journal of Buletin Teknik Elektro Dan Informatika (Bulletin of Electrical Engineering and Informatics (**BEEI**), Vol. 2, No. 2, June 2012.
- [2] **Ravi Prakash Vishvakarma & et. al., “Mathematical Analysis of Pulse Tube Cryocoolers Technology”** in International Journal of Global Journal of researches in engineering (Electrical and electronics engineering) (GRRE), Global Journals Inc. (USA), Online ISSN: 2249-4596 & Print ISSN: 0975-5861, Volume 12, Issue 6, Version 1.0, May 2012.
- [3] **Ravi Prakash Vishvakarma & et. al., “Power Quality Improvement with Shunt and Hybrid APF Using PI and Hysteresis Current Controllers: Performance Comparison”** in International Journal of engineering Science & Advanced research (IJESAS), Online ISSN: 2395-0730.
- [4] **Ravi Prakash Vishvakarma & et. al., “Optimization of Parameter for Abrasive water jet Machining Using Taguchi Method”** in International Journal of engineering Science & Advanced research (IJESAS), Online ISSN: 2395-0730.
- [5] **Ravi Prakash Vishvakarma & et. al., “Optimization of Material Removal Rate in Electric Discharge Machine”** in International Journal of engineering Science & Advanced research (IJESAS), Online ISSN: 2395-0730.
- [6] **Ravi Prakash Vishvakarma & et. al., “Power Quality Enhancement Using Active Filters”** in International Journal of engineering Science & Advanced research (IJESAS), Online ISSN: 2395-0730.
- [7] **Ravi Prakash Vishvakarma & et. al., “Performance Comparisons of Modulation Techniques for Induction Motor Fed by Cascaded Neutral-Point-Clamped Inverter”** in International Journal of engineering Science & Advanced research (IJESAS), Online ISSN: 2395-0730.

INTERNATIONAL CONFERENCE:

- [1] **Ravi Prakash Vishvakarma, S.P. Singh, and Shashank Kumar Kushwaha “3-Phase Grid Connected Liquid Solar arrays Photovoltaic Inverter Control loop design”** in IEEE Students’ Conference on Electrical, Electronics and Computer Science (**SCEECS 2012**), during 1st-2nd March, 2012, organized by IEEE MANIT Student Branch at Maulana Azad National Institute of Technology, Bhopal (**M.P.**) (**Available at IEEE Explorer**)
- [2] **Nitya Nand Singh, S.P. Singh, Deependra Singh, and Ravi Prakash Vishvakarma “An efficient Control on Photovoltaic Energy Conversion system using Modified Perturb and Observe Technique for standalone applications”** in IEEE Students’ Conference on Electrical, Electronics and Computer Science (**SCEECS 2012**), during 1st-2nd March, 2012, organized by IEEE MANIT Student Branch at Maulana Azad National Institute of Technology, Bhopal (**M.P.**) (**Available at IEEE Explorer**)
- [3] **Ravi Prakash Vishvakarma & et. al., “Performance Evaluation of Hybrid Active Filter based on SVPWM Technique for Power Conditioning using MATLAB/Simulink Environments”** in International Conference on Emerging Trends in Engineering and Technology, during 6th-7th April, 2012, organized by College of Engineering, Teerthanker Mahaveer University, Moradabad (U.P.)-244001

- [4] **Ravi Prakash Vishvakarma & et. al., “Investigation of Transient Performance of VSI Fed IM Drives with SVPWM Technique Based on P, PI, and PID Controllers”** in 2nd International Conference on Power Control and Embedded Systems (ICPCES-2012) Co-sponsored by IEEE joint Society Chapter of IE/PEL/CS Technically sponsored by IEEE UP Section, 17th-19th December, 2012, MNNIT Allahabad, Allahabad (U.P.). (Available at IEEE Explorer)

NATIONAL CONFERENCE:

- [1] **Ravi Prakash Vishvakarma & et. al., “Performance Comparisons of Modulation Techniques for Induction Motor Fed by Cascaded Neutral-Point-Clamped Inverter”** in AICTE Sponsored National Conference on Computer Applications in Electrical Engineering: Recent Trends (CAEE-RT 11), 16th-17th December, 2011, Department of Electrical Engineering, MITS Gwalior (M.P.)
- [2] **Ravindra Kumar, S.P. Singh, Bindeshwar Singh, and Ravi Prakash Vishvakarma “Minimization of Voltage Sags in Industrial Power Plants”** in National Conference on Recent Trends in Electrical Engineering (RTIEE 2012), during 22nd-23rd March, 2012, organized by Department of Electrical Engineering, Sardar Vallabhbhai National Institute of Technology, Surat (Gujarat)-395007.
- [3] **Ravi Prakash Vishvakarma & et. al. “Mathematical Analysis of Pulse Tube Cryocoolers Technology”** in ASME & AICTE Sponsored National Conference on Advances in Mechanical Engineering & Emerging Technologies (AMEET 12), 7th-8th April, 2012, Department of Mechanical Engineering, KNIT Sultanpur (U.P.)
- [4] **Ravi Prakash Vishvakarma & et. al., “Optimization of Material Removal Rate in Electric Discharge Machine”** in Trends in Signal Processing and Computing (TSPC-2015), International Journal of engineering Science & Advanced research (IJESAS), Online ISSN: 2395-0730. 19th -20th Sep 2015, Rama University kanpur (U.P.)
- [5] **Ravi Prakash Vishvakarma & et. al., “Optimization of Parameter for Abrasive water jet Machining Using Taguchi Method”** in International Journal of engineering Science & Advanced research (IJESAS), Online ISSN: 2395-0730, 19th -20th Sep 2015, Rama University kanpur (U.P.)
- [6] **Ravi Prakash Vishvakarma & et. al., “Power Quality Enhancement Using Active Filters”** in International Journal of engineering Science & Advanced research (IJESAS), Online ISSN: 2395-0730, 19th -20th Sep 2015, Rama University kanpur (U.P.)

(Annexure-II)

POSTER PRESENTATION:

- [1] **Ravi Prakash Vishvakarma & et. al., “A brief Introduction of Human Models used in Various Industrial Applications: An Overview”** in Students’ Conference on Engineering and Systems (SCES-2012) Co-sponsored by IEEE joint Society Chapter of IE/PEL/CS Technically sponsored by IEEE UP Section, 16th-18th March, 2012, MNNIT Allahabad, Allahabad (U.P.).
- [2] **Ravi Prakash Vishvakarma & et. al., “Multilevel Inverters and its Control Strategies: A Comprehensive Review”** in 2nd International Conference on Power Control and Embedded Systems (ICPCES-2012) Co-sponsored by IEEE joint Society Chapter of IE/PEL/CS Technically sponsored by IEEE UP Section, 17th-19th December, 2012, MNNIT Allahabad, Allahabad (U.P.). (Available at IEEE Explorer)

WORKSHOP ATTENDED:

- [1] Workshop on “**Exposure on Nanoscience and Engineering**” organized by **Kamla Nehru Institute of Technology (KNIT), Sultanpur (U.P.)** on **May 26, 2012.**
- [2] Workshop on “**Programming with MATLAB**” organized by **Kamla Nehru Institute of Technology (KNIT), Sultanpur (U.P.)** on **Feb 2, 2012.**
- [3] Faculty Development Program organized by **Faculty of Engineering & Technology, Rama University Kanpur Uttar Pradesh** on **Jan 25, 2016.**
- [4] International Workshop on “**Educational Technology & Green ICT**” organized by **Faculty of Engineering & Technology, Rama University Kanpur Uttar Pradesh & in association with University of Turku, Finland,** Technical Sponsored by **IEEE UP section** on **March 09, 2016.**
- [5] National Conference on “**Current Advances in Science & Technology**” organized by **Faculty of Engineering & Technology, Rama University Kanpur Uttar Pradesh** on **March 19, 2016.**