

RESUME

NIHARIKA VARSHNEY

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OBJECTIVE:

To contribute best of my knowledge, skill and ability in the growth of the organization and to attain self-growth by learning new skills and outcome based techniques.

STRENGTHS:

I find myself as an effective communicator with positive attitude, a quick learner, hard worker, loyal, goal oriented, easily manages to work in a group, interested to learn new techniques and flexible to travel.

PROFESSIONAL EXPERIENCE: Total Experience (10 year 9 months)

- Currently working as Asst. Prof. in Deptt. of Electrical & Electronics Engineering, in **ABES Engineering College**, Ghaziabad since July 2012. affiliated to A. K. T. U., Lucknow.
- Worked as an Asst. Professor in **Krishna Institute of Engg. & Technology (K.I.E.T)**, Ghaziabad affiliated to A. K. T. U, Lucknow from July 2008 to April 2011.

PROFESSIONAL QUALIFICATION:

- **Special Training:**
 1. Certified course on **Graphical Programming Language LabVIEW** affiliated to **National Instruments**. *trained the students on graphical programming language 'LabVIEW', for hardware projects.
 2. Certified course on Arduino.
 3. Certified Training on PLC and SCADA.
- **Member of IEE** (Institute of Engineers)
- **Member of ICEIT** (Institution of Communication Engineers and Information Technologists) society.

ACADEMIC QUALIFICATION:

- Pursuing **Ph D.** in Electrical Engineering from **NIT Kurukshetra**.
- **M. Tech.** in **Instrumentation & Control** (Electrical Engineering) from **Aligarh Muslim University (AMU)** in year 2008 with an aggregate of **76.16%**
- **B.E.** in Electrical Engineering – With an aggregate of **71.91%** from Maharana Pratap College of Technology, Gwalior affiliated to RGPV University, Bhopal.
- **HIGHER SECONDARY** -With 78% R.K.V.M. Gwalior, M.P. BOARD 2002.
- **HIGH SCHOOL** - With 60% from ST. Paul's school Gwalior, CBSE 2000.
- In B.E. – (a) **Major project** on "Spirit Rover".
(b) **Minor Project** on "Study of Prepaid Electricity Meter and Billing".
 - In M.TECH – **DESSERTATION** : "Wavelet as a tool for P.D Pattern Recognition"
- **COMPUTER SKILLS** - MATLAB, LAB - VIEW, MS OFFICE, Web technology basics, computer fundamentals.

ACADEMIC ACHIEVEMENTS:

Research Papers:

1. Paper published on “A comprehensive survey on event triggered control for state feedback and state observer based closed loop systems” in 1st IEEE International Conference on Measurement, Instrumentation, Control and Automation (ICMICA 2020) June 24-June26, 2020.
2. Paper published on “Multilevel Parking System: New Approach to Vehicle Parking” Vol 3, No 1 (2020), Mantech Publications.
3. Paper published on “Speed Control of Stepper Motor using MATLAB” in 2020 IJRAR February 2020, Volume 7, Issue 1.
4. Paper published on “Performance Analysis of E- Shape And 5G Microstrip Patch Antennas” in International Journal of Scientific & Technology Research, Volume 9, issue 02, February 2020.
5. Completed NPTEL – AICTE based course on “Accreditation and Outcome based Learning” with silver Elite Certification.
6. Presented a paper on “Production of Bio-Gas and Organic Fertilizer Using Canteen and Kitchen Waste” in PEEIC2019 (2nd IEEE International Conference on Power Energy, Environment and Intelligent Control), G L Bajaj, Greater Noida, october 2019.
7. Presented a paper on “Designing & Simulation of some Real Time Controllers using LabVIEW” in International Conference on Energy Generation and Conservation for meeting India’s Futuristic Needs organized by Babu Banarasi Das Institute of Technology, March 2014.
8. Presented a paper on “Application on wavelet Technique for detection of partial discharge pattern” in IEEE sponsored national conference on Energy, Power & Intelligent control systems organized by Galgotias college of Engineering & Technology, March 2014.
9. Presented a paper on “Wavelet Analysis used for partial discharge pattern Recognition” in International conference on Advanced Developments in Engineering & Technology” conducted by Lord Krishna College of Technology in Association with CSI Chapter Ghaziabad, Feb 2014.
10. Presented a paper national conference in Feb 2009 in SGITS, Ghaziabad.
11. Presented a paper on “Conservation by Demand side Management” a paper national conference on Recent Drifts, Breaks in Applied Science and Technology for Innovation Management, organized by KIET, Ghaziabad in Aug 2009.

Course Attended :

1. Attended one week Faculty Development Program on “Power System Operations and its Control”, organized by Electrical & Electronics Dept. of Ajay Kumar Garg Engineering College, Ghaziabad, Jan 2020.
2. Attended a Faculty Development Program on “AI and Machine learning” affiliated by ministry of Electronics and Information Technology (MeitY), Govt. of India, at ABESEC, Ghaziabad, Dec 2019.
3. Participated in training on “Data Science using Python”, organized by Department of Mechanical Engineering, Dec-2019, ABESEC, Ghaziabad.
4. Attended two days seminar on “Nurturing Excellence in Academics”, organized by IQAC, ABESEC, Ghaziabad, Nov 2019.
5. Attended a NPTEL – AICTE based Faculty Development Program on “Accreditation and outcome based Learning”, Oct 2019.
6. Attended a FDP at Delhi Technological University on “Recent Research Direction and Key Concepts in Electrical Engineering”, December 2019.
7. Attended a seminar on quality improvement and nurturing excellence held at ABESEC, November 2019, Ghaziabad.

8. Achieved Silver Elite certificate, for successfully completing the NPTEL course on “outcome based accreditation and learning”.
9. Attended a 5 days short term course on “Advances in Process Control and Instrumentation” at NIT Kururkshetra, July 2019.
10. Organised a 5 days FDP on “Power Electronics in Renewable Energy”, July 2019, ABESEC, Ghaziabad.
11. Attended workshop on “Moodle Learning Management System” organized by Teaching Learning Centre (ICT) at IIT Bombay held at Dronacharya College of Engineering, Greater Noida, Gautam Buddha Nagar.
12. Participated in short term course on “Application of Techniques/Tools in Engineering” at Gautam Buddha University, Greater Noida.
13. Attended FDP on “Outcome based Pedagogic Principle for Effective Teaching & Learning” at Abesec Ghaziabad.
14. Attended seminar on “Role of Women in addressing issues related to Water, Sanitation and Hygiene with special reference to existing Government Scheme” at ABESEC Ghaziabad.
15. Attended FDP on “Applications of MATLAB / LabVIEW in Engineering” at ABESEC Ghaziabad.
16. Attended FDP on “Innovation and creativity in Teaching Learning Process” at G.L. Bajaj Institute of Technology, Greater Noida, UP.
17. Participated in “Applications of MATLAB/ LabVIEW in engineering”, ABESEC Ghaziabad.
18. Attended IEEE International seminar on-smart Technologies for smart city”, ITS Ghaziabad.
19. Attended workshop on “Advances in business and engineering for sustainability”, ABESEC Ghaziabad.
20. Attended workshop on Tips and techniques to publish International Research Articles, ABESEC Ghaziabad.
21. Participated in GIAN course on "Bio-Medical Engineering: Insight and Signal Processing" organized by the department of Electrical Engineering, Zakir Husain College of Engineering and Technology, Aligarh Muslim University (AMU), Aligarh, Dec 2016.
22. Attended workshop by Engineering Education and Research seminar conducted by National Instruments, Redisson Blue, Ghaziabad, Sept 2016.
23. Attended ACM ABES Chapter International workshop on “Amateur Radio Communications & Computing in Educational Environments” organized by ABES EC, Ghaziabad, Sept 2016.
24. Attended short term course on “Project Development skills using Arduino” organized by Electrical & Electronics Department of ABES EC, Ghaziabad, July 2016.
25. Attended Faculty Development Program on “Emerging Trends & Challenges in Electric Power Systems” organized by Electrical & Electronics Department of ABES EC, Ghaziabad, Jan 2016.
26. Attended workshop by Engineering Education and Research seminar conducted by National Instruments, Sep 2015.
27. Participated in Faculty Development Program on “LATEX Type Setting Tool” conducted by Department of Computer Science, ABES EC, Ghaziabad, Apr 2015.
28. Attended AICTE recognized short term course on “MATLAB & its Applications through ICT” conducted by Electrical & Electronics Dept. of ABES EC, Ghaziabad and organized by NITTTR, Chandigarh, Sept 2014.
29. Attended AICTE recognized short term course on “Industrial Automation & Robotics through ICT” conducted by Mechanical Dept. of ABES EC, Ghaziabad and organized by NITTTR, Chandigarh, Aug 2014.
30. Attended Faculty Development Program on “Electrical Power Management & System Design using ETAP Software” organized by Electrical & Electronics Department of ABES EC, Ghaziabad, May 2014.

ORGANIZATIONAL ACTIVITIES ORGANIZED:

1. Expert lecture organizer: Expert are been invited from outside the organization to deliver their expertise beyond syllabus.
2. Alumni Coordinators & Convocation Departmental Co-ordinator
3. Lab-VIEW Trainer.
3. Departmental Library Co-ordinator.
4. Cultural Activity Co-ordinator & Co-ordinator Induction Program first year.

ACTIVITIES DURING COVID'19:

1. Organized webinar on "Climate Conservation and Integration of Green Sources of Electricity with the GRID" given by Expert Dr. Mohammad Rihan, Fellow IET (UK), SMIEEE, Member Incharge green energy project, Associate Professor, Aligarh Muslim University.
2. Organized webinar on "Industrial Applications: Switchgear and Protection" by Ms. Anupama, Assistant Manager: Technical Support, Legrand India Pvt Ltd.
3. Delivered video lectures for Renewable Energy Resources for AKTU and got certified for it.
4. Attended 15 certified webinars online
5. Attended 2 FDPs online on the recent trends in technologies.

PROJECT WORK GUIDED:

Project Guided for B. Tech. Students:

1. Sign Language Converter.
2. Automated multilevel parking system.
3. Colour Detection Robot.
4. Online Monitored energy system.
5. Gesture Control Robotic Arm.
6. Fire sensing GPS & Alarm System.
7. Home automation system.

SUBJECTS TAUGHT:

1. Electrical Measurement and Instrumentation
2. Control System.
3. Power Transmission and Distribution.
4. Electrical Instrumentation & Process Control.
5. Network Analysis and Synthesis.
6. Transducers and Sensors.
7. Sensors and Instrumentation.

PERSONAL DETAILS:

Date of Birth:	04 th February, 1985
Gender:	Female
Nationality:	Indian
Father's Name:	Mr. D. B. Varshney
Mother's Name:	Mrs. Sudha Varshney
Permanent Address:	36, Shanti Sarovar, Ramghat Road, Aligarh, U.P.

DECLARATION:- I hereby declare that all the details and information given above are true to best of my knowledge and belief.