

Assistant Professor

Qualification : B.Tech, ME, Ph.D

Address : Electrical Engineering Department  
I.I.T. Roorkee  
Roorkee

Phone : +91-1332-75097 (R), 85395(O)

Areas of Interest :

- Simulation
- Process Control Applications
- Microprocessor Applications
- ANN
- Online Control Applications

Education

Ph-D. Electrical Engineering, University of Roorkee, India, 1996

M.E. Systems Engineering and Operations Research -University of Roorkee,  
India, 1986 - 74.5%

B.Tech. Electrical Engineering-HBTI, Kanpur, 1984-77% (Gold Medal)

Intermediate (Maths only)UP Board Allahabad, 1980-75%

Intermediate (with Biology)-UP Board Allahabad-1979-60%

High School UP Board-1977-63%

[Top](#)

Awards Received

- Recipient of Merit Scholarship during B.Tech.
- Recipient of Gold Medal for First Position in B. Tech
- Recipient of GATE Scholarship
- Recipient of Best Paper Award from CBIP on a Research Paper in 1992-93.

[Top](#)

## Employment

<i>March 1997 -</i>	Assistant Professor at Electrical Engg. Deptt., University of Roorkee
<i>Oct. 1989 to March 1997</i>	Lecturer at Electrical Engg. Deptt., University of Roorkee
<i>July 1986 to Oct. 1989</i>	Research Associate at Electrical Engg. Deptt., University of Roorkee

[Top](#)

## Administrative Experience

1. Officer in-Charge of Microprocessor & Computer lab since last four years.
2. Officer in Charge, Class for B.E. (Elect) IV year
3. Member of U.G.A.P.C. of Electrical Engineering Department.
4. Member of D.A.C. of Electrical Engineering Department.
5. Member of Organizing Committee of a National Conference organized by IWSA, Roorkee branch
6. Member of IWSA.
7. Co-chaired a Technical Session in a National Conference.
8. Member of Technical Session Committee of an International Conference

[Top](#)

## Subjects Dealt With

### (a)Under Graduates

1. Electrical Science
2. Electrical Measurements
3. Linear Electronic Circuits
4. Programming and Personal Computers
5. Digital Electronics Circuits and Systems
6. Microprocessors
7. System Theory
8. Control Systems
9. Operation Research
10. Data Structures

### (b)Post Graduates

1. System Reliability
2. Advanced Microprocessor & Its Applications

3. Computer Controlled Systems
4. Data Structures
5. Operations Research
6. Online Computer Applications
7. Computer Organization & Architecture

[Top](#)

## Publications

1. Indra Gupta, H.O.Gupta and M.K.Vasantha, "A reduction technique for distribution network analysis", IE(I) Journal-EL, pp. 122-126, 1991.
2. Indra Gupta, H.O.Gupta and M.K.Vasantha, "New reduction technique for distribution feeders", Proceedings of International Conference on <ECi~Energy, Computer, Communication and Control Systems, IEEE TEN CON, New Delhi, Aug 28-30, pp.128-132.
3. Indra Gupta, H.O.Gupta and .M.K.Vasantha, "Consumer load control for optimal utilization of generating capacity", Proceedings of International Conference on EC~Energy, Computer, Communication and Control Systems, IEEE TENCON, New Delhi, Aug 2830, pp. 128-132.
4. Indra Gupta, H.O.Gupta and M.K.Vasantha, "Distribution system load management", Proceedings of International Conference T&D India - 2000, Feb 26-28, Bombay.
5. Indra Gupta, H.O.Gupta and M.K.Vasantha, "Decomposition technique for optimum operating strategies for large distribution networks", CIGRE Symposium Impact of DSM, IRP and Distributed Generation on Power Systems, Sept. 17-19, 1997.
6. S.K. Joshi and Indra Gupta, "A novel approach to computation of energy demand of nonlinear loads", CBIP (India) 58th R&D Session, Bangalore, April 1993. (CBIP Best Research Paper Awards 1992-93)
7. S.K. Joshi, Indra Gupta and Bharat Gupta, "Microprocessor based energy measurement for multi feeder power substation", International Conference on Instrumentation, Measurement & Control, Jan 24-25, Singapore, 1991
8. Narayana Prasad Padhy, Indra Gupta et al, "Fuzzy Algorithm based Software Simulator: A case study on Automatic Gear Control of Two Wheelers", Proceedings of 16th National Convention of Mechanical Engineers and All India Seminar on Future Trends in Mechanical Engineering, Research & Development, Department of Mechanical and Industrial Engineering, UoR, Roorkee, Sept 29-30, 2000
9. Indra Gupta, H.O. Gupta and M.K.Vasantha, "New Reduction Technique for Distribution Feeders", Electric Machines and Power Systems 27:701-719, 1999.
10. Indra Gupta et. al. " ANN Based Estimator for Distillation-Inferential Control" , Proceedings of National Conference TIET.COM held in November 2000 at Thaper Institute of Engineering and Technology Patiala.
11. Bhawani Singh and Indra Gupta "Wonderful Law of Negative Entropy of Healthy Beings- Applications" presented at National conference on

**Dr.(Ms.)Indra Gupta**  
[indrafee@iitr.ernet.in](mailto:indrafee@iitr.ernet.in)

Material Components and Applications (MCA-2003) , Kalinga Institute of Industrial Technology, Bhubneshwar feb 15-16, 2003.

12. Indra Gupta and H. O. Gupta "A New Approach For Efficient Expansion-Planning For Radial Distribution System" presented at National conference on Modern Trends In High Voltage and Power System Engineering at Jabalpur, Jul 7-8, 2003.