

RESUME



Prof. Chetan B. Bhatt, PhD

Contact Details:

Office Address:

Education Qualification:

B. E. (Instrumentation & Control)

L. D. College of Engineering, Gujarat University, Ahmedabad, India
First Class with Distinction, 1990

M. Tech (Electronics Design & Technology)

Centre for Electronics Design & Technology,
Indian Institute of Science, Bangalore, India
First Class with Distinction, 2001

Dissertation: I have developed a prototype “Intelligent Actuator” based on HART Protocol. This project was sponsored by “AUMA (India) Pvt. Ltd” an Indian subsidiary of AUMA Inc. Germany.

PhD

“Knowledge Representation Framework for a Web – based Intelligent Tutoring System for Engineering Courses”

Centre for Electronics Design & Technology
Indian Institute of Science, Bangalore, India
December 2008

Experience:

Lecturer (Instrumentation & Control)

L. D. College of Engineering, Ahmedabad (1991 – 1994)
Government Polytechnic, Ahmedabad (1994 – 1995)
L. D. College of Engineering, Ahmedabad (1995 – 2001)
Government Engineering College, Gandhinagar (2001 – 2003)

Assistant Professor (Instrumentation & Control)

Vishwakarma Government Engineering College, Ahmedabad (2003 – 2006)

Head of the Department (Instrumentation & Control)

Vishwakarma Government Engineering College, Ahmedabad (2006 – Till date)

Courses Taught:

Following courses are taught (Lecture and Laboratories) at undergraduate and post-graduate level

Undergraduate (B. E. Instrumentation & Control)

1. Basic Electronics
2. Analog Electronics
3. Electronics in Industry
4. Microprocessors and Microcontroller
5. Control System Design
6. Process Control (Control, PLC including IEC61131-3, and DCS)
7. Industrial Measurements
8. Sensors and Signal Conditioning
9. Industrial Data Communication
10. Simulation packages
11. Electrical and Electronics Measurement
12. Instrumentation Systems
13. Control System Components
14. Instrumentation for Nanotechnology

Post – graduate (M. E. Instrumentation & Control)

1. Advance Processor Architecture (Pentium Processor)
2. Electromagnetic Compatibility
3. Advance microcontroller (PIC18XX)
4. Micro Electro-Mechanical Systems (MEMS)

Adjunct Faculty:

I am adjunct faculty (visiting faculty) at various institutions as below:

1. Indian Institute of Technology, Gandhinagar, India. (July – 2009 to April – 2010)
2. Kadi University (PhD Research supervisor, and visiting faculty for M. Phil), India
3. Indian Institute of Advance Research, Koba, India
4. School of ICT, Ahmedabad University

Area of Interest:

Sensors and Signal Conditioning; Control System Design; Industrial Measurements, Industrial communication and related issues; Control Architectures – PLC, DCS, and SCADA; ICT enabled Instrumentation and Control; Artificial Intelligence in Instrumentation, Control, and Education; Knowledge representation, ontology engineering; Adaptive e-learning; Instrumentation for Nanotechnology, MEMS – NEMS;