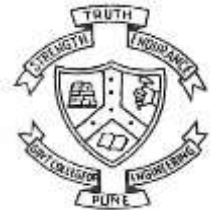


College of Engineering Pune (COEP)
Forerunners in Technical Education

Faculty Profile

Department of Electrical Engineering



College of Engineering Pune (COEP)
Forerunners in Technical Education 2

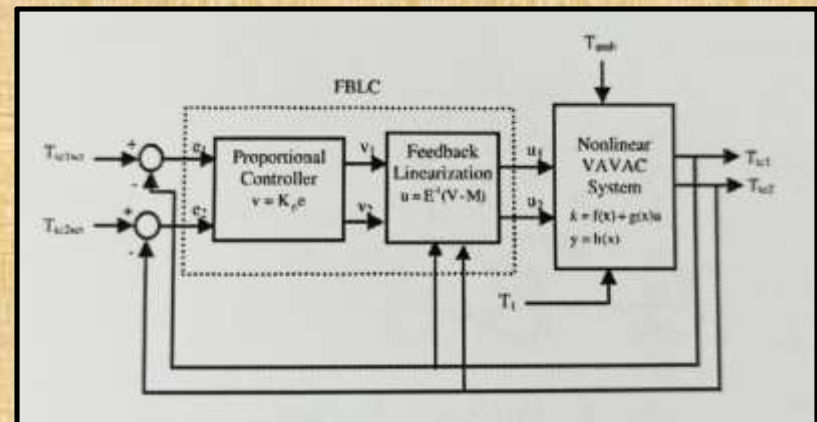
Dr. Archana Thosar
Ph.D. (IIT KGP)
Professor

Department of Electrical Engineering
College of Engineering Pune
Email: agt.elec@coep.ac.in,
archanagthosar@gmail.com



Major Areas of Research:

- Control of Air Conditioning System
- Sensorless Control of BLDC Motors
- Renewable Energy Integration
- Condition Monitoring
- Fault tolerant Control System
- Energy Minimization



College of Engineering Pune (COEP)
Forerunners in Technical Education

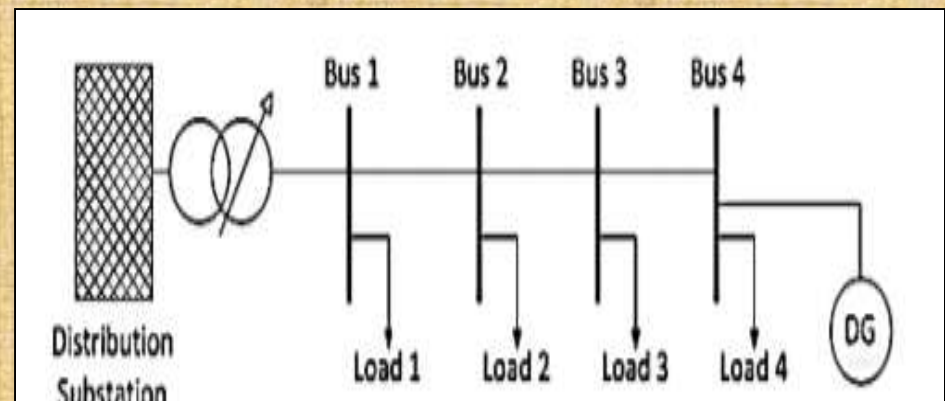
Dr. V.N.Pande,
Associate Professor,
Electrical Department,
College of Engineering Pune
Email: vnp.elec@coep.ac.in



Major Areas of research:

- Power Systems
- Renewable Energy
- Optimization

**POWER SYSTEM ANALYSIS, OPERATION
AND CONTROL**



College of Engineering Pune (COEP)
Forerunners in Technical Education

Dr. R. T. Ugale

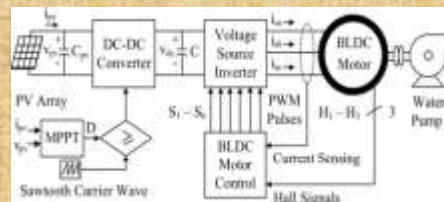
Assistant Professor, Department of Electrical Engineering
College of Engineering, Pune 411005
+91-20-25507134, rtu.elec@coep.ac.in



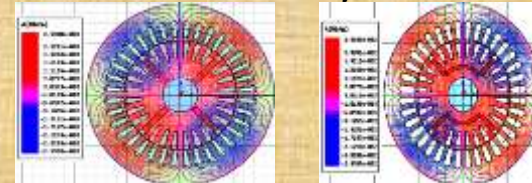
Major Areas of Research:

- Electrical Machine Design and Analysis
- Electrical Drives
- Solar fed Electrical Motor-Pump system
- Modeling of Electrical Machines
- Electromagnetic Finite Element Analysis of Electrical Machines

Patent Granted and ready for Technology transfer : “**Rotor structures for permanent magnet synchronous motors**”, Patent. Appl. No. 569/MUM/2012, March 2, 2012, filled at patent office, Mumbai. Granted for 20 years, Indian Patent No.327030, Patent grant date- 09/12/2019.



Finite Element Analysis of PM motors



College of Engineering Pune (COEP)
Forerunners in Technical Education



Mrs. Arti Vivek Tare
Associate Professor, Department of Electrical Engineering
College of Engineering, Pune-411005
+91-20-25507126, avt.elec@coep.ac.in

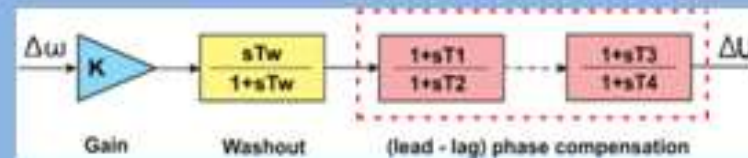


Major areas of research

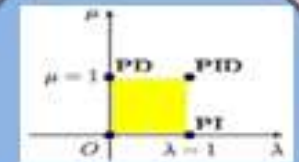
- Control System Engineering
- Fractional order controller design
- Optimization Algorithm
- Power System Stabilizer Design



Application of
Optimization Techniques



Application of Optimization Techniques to
Design Fractional order Power System
Stabilizer



Fractional-order
Controller Design

Mrs.Vinodini Bhole (M.E.control systems)
Assistant Professor, Dept. of Electrical Engineering
College of Engineering Pune
Email: vbb.elec@coep.ac.in



Major Area of Research:

- Power Electronics
- Renewable Energy Integration
- Power Electronics in power Systems



College of Engineering Pune (COEP)
Forerunners in Technical Education

Milind D. Bagewadi
Adjunct Faculty, Department of Electrical,
College of Engineering Pune,
9420697929, mdb.elec@coep.ac.in



Major Research Areas:

- Renewable integration
- Electric vehicles
- Power converters
- Modelling and control power converters



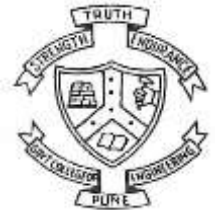
College of Engineering Pune (COEP)
Forerunners in Technical Education

Mrs. Snehal Unde PhD (pursuing)
Assistant Professor, EED
College of Engineering Pune
020-25507601, svu.elec@coep.ac.in
<https://www.coep.org.in/mycoep/svuelecco>



Research Area:

- Protection of double circuit transmission lines and Multiterminal lines
- Parameter estimation of transmission lines and fault location schemes
- Current differential and distance protection schemes.



College of Engineering Pune (COEP)
Forerunners in Technical Education

Dr. Mrs. Vijaya S. Rajguru
Associate Professor,
Department of Electrical engineering College of Engineering
Pune.411005 020-25567116; vsr.elec@coep.ac.in

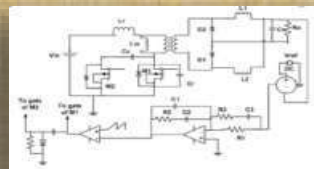


Major area of research:

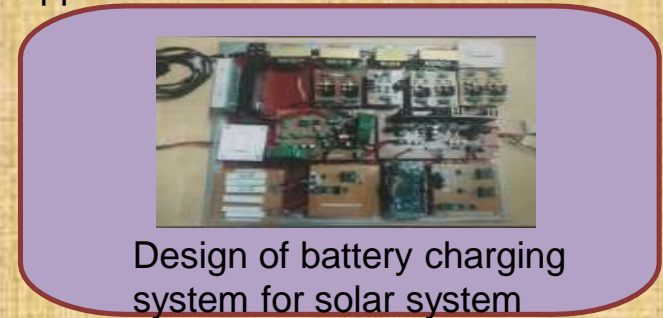
- Modelling of power electronics converters
- Design of controller for DC-DC converters
- Design of power converters for EV application
- Design of power electronics drives for electric motors
- Design of battery charging system for solar system



Design of power converters for EV application



Controller design for power converters

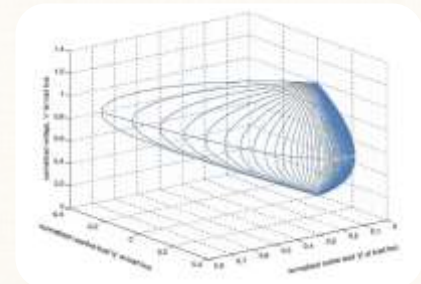


Design of battery charging system for solar system



College of Engineering Pune (COEP)
Forerunners in Technical Education

Prashant N. Gawande
Assistant Professor
Department of Electrical Engineering
College of Engineering, Pune 411005
+91-20-25507603, png.elec@coep.ac.in



Wide-Area Measurement
Systems

Smart Grid

System Integrity Protection
Schemes



College of Engineering Pune (COEP)
Forerunners in Technical Education