



POONAM SINGHAL

PROFESSOR

CONTACT

9654022564

ymcapoonamsinghal@gmail.com

House No-591, Sector 8
Faridabad

EDUCATION

2011-2016
YMCAUST, FARIDABAD

- Ph.D

1982-1986
NIT, ROURKELA

- BSc. Engineering, Electrical

SKILLS

- Leadership
- Teaching
- Effective communication
- Teamwork
- Administration
- Public Relations
- Time Management
- Critical Thinking

LANGUAGES

- English
- Hindi

PROFILE

Professor, Electrical Engineering Department and Dean faculty of Liberal Arts and Media Studies. Director Industry Relations. Chairperson of Electrical Engineering Department (2019-2022) and Chairperson of Humanities Department (2018-2019),

WORK EXPERIENCE

JC Bose UST, YMCA, Faridabad

Professor

2019- PRESENT

- Chairperson, Electrical Engg. Department (2019-2022). Established new labs- PLC SCADA Lab, Renewable Lab and Calibration Lab and got 6 labs and workshop renovated, organized 2 International conferences and a no. of FDPs, workshops and Expert Lectures. Got NBA for department. worked for NAAC Preparations.
- Dean faculty of Liberal Arts and Media Studies.
- Director Industry Relations

J C Bose UST, YMCA, Faridabad

Associate Professor

2006-2018

- Chairperson of Humanities Department- Established journalism department. Established media and language Lab.
- Organized FDP, Workshops, expert lectures in Electrical and humanities department.

YMCAIE, Faridabad

Assistant Professor

1990-2005

Khaitan Fans Pvt Ltd, Faridabad

R&D Engineer

1988-1989

R M Controls Pvt Ltd, Faridabad

Engineer

1987-1988

BITS, Pilani

Teaching Assistant

1986-1987

SUBJECT EXPERTISE

Power System-I, Power System II, Switchgear and Protection, Power Electronics, Computer Applications in Power System, Basic Electrical Engineering, Utilization of Electrical Engineering, FACTS and Harmonic Filtering. Analog Electronics, Electrical Machines-I, Electrical Machines II, Electrical Measurements, SCADA, Electric Vehicles.

Electrical Technology Lab, Power System Lab, Electrical Machine Lab, Measurement Lab, Power Electronics Lab, MAT Lab, Digital Lab.

ADMINISTRATIVE RESPONSIBILITIES

- Dean Faculty of Liberal Arts and Media studies.
- Chairperson, Electrical Engineering Department.
- Chairperson, Humanities Department.
- Director Industry Relations
- Women cell Chairperson
- President Cultural and organized mega cultural and Technical Fests.
- Member, Central Purchase Committee.
- Departmental promotion committee (DPC) for non -teaching staff.
- Committee to rationalize the staff in University.
- Member of University Court
- Member of Executive Council
- Member of Academic council
- Member of BOS of department UG and PG.
- Member of Faculty of Engineering and Technology.
- Member of Inspection Committee of Affiliated collages.
- Chairperson/member of various committees related to admissions, Syllabus modifications, scrutiny, discipline, university tenders and in many decision-making committees at the University levels, Central Purchase Committee.
- Girls hostel warden
- Member of selection committee of Central University, Chhattisgarh, Vishwakarma Skill University and many Private colleges.

ACADEMIC RESPONSIBILITIES

- PhD Coordinator
 - M.Tech Coordinator
 - TimetableCoordinator
 - Exam Superintendent
 - Flying Squad in Exams
 - Bridge course Coordinator
 - Mentored Student projects at UG and PG level
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RESEARCH ACTIVITIES

- Ph.D under progress : 04
- MTech Awarded : 50
- Research Publications : 40
 - International Journal :15
 - International Conference :18
 - National Conference : 07
- Book Reviewed : Power Plant Engineering (IK International Publishing)
- Editor : Springer Lecture Notes Series on Recent Developments in Electrical and Electronics Engineering, select Proceedings of ICRDEEE-2022.

PATENT

- Granted: Design patent on Smart Dustbin. Design no: 378751-001 dated 06/02.2023
- Published: Utility Patent on Regenerative Hybrid Energy Storage System for Electric Vehicles, Application no: 202211073672 dated 19/12/2022.
- Filed the Patent on modified design of e-Rickshaw.

ACTIVITIES ORGANIZED

- Co-Convener of ISFT Conference in 2024 in collaboration with Thailand, South Korea.
- Convener, FDP on Application of Artificial Intelligence Tool in Power Systems
- Organizing committee member in Science Conclave-2013, 5-6/3/2013.
- Workshop on MATLAB Application in AI at YMCAUST
- Organizing committee member in Science Conclave-2016
- Organizing committee member in National Conference on NHTSEE-2017.
- Organizing committee member of workshop on Automation: PLC-SCADA,
- Workshops, FDP and Expert Lectures in the department in the capacity of chairperson of the Humanities Department.
- A no of workshops, AICTE approved FDPs, STTP and Expert Lectures in Electrical Engg. Department in the capacity of chairperson.
- Two International conferences in the department .

CONTRIBUTION TO THE GROWTH OF UNIVERSITY

- Got NBA for the department under capacity of Chairperson Electrical Department
 - Worked for UGC affiliation to the University in 2009 and in NAAC preparations.
 - Established Language lab and media lab in the Humanities Department.
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- Established PLC SCADA Lab, Renewable Lab and Calibration Lab and got 6 labs and workshop got renovated.
 - Initiative taken for energy conservation at University level and brought award to University in energy saving for the year 2017.
 - Delivered Expert lecture on “Effective Teaching for Engineering students” to the faculty of Satya college of Engg and Technology.
 - Delivered Expert lecture on Implementation of Nature inspired Optimization Techniques in Power system in FDP organized by UIET, M D University, Rohtak
 - Delivered Expert lecture on Design of Particle Swarm Optimization based Static Var Compensator in FDP on Power System Optimization and Control at Rajkiya Engineering College, Ambedkar Nagar, UP
 - Chaired session in New Horizons in Technology for sustainable Energy and Environment, March 9-10, 2017
 - Chaired session in the National Conference on “Role of Science and Technology towards Make in India” at YMCAUST, Faridabad, March 05-07, 2016.
 - Conference Chair of International Conference on Advances in Sustainable Energy, Environment and Engineering at J C Bose UST, YMCA, Faridabad, 16-17 April 2021
 - Chaired session in International Electrical and Electronics Engineering Conference (IEEEEC-2021) at DTU Delhi.
 - Judged the lecture presentation competition in the seminar on Luminous organized by YMCAUST under UNESCO activity, International year of light and light based technologies, Jan 29-30,2016.

LIFE MEMBERSHIP

- The Indian Society for Technical Education, LM 110710
- International Association of Engineers, 168091
- Institution of Engineers (India), F-120918-5
- IEEE membership 97544172 ,Delhi section

SOCIAL RESPONSIBILITIES

- Member of ICC women cell Committee at District level.
 - Member of District Advisory Committee under PC &PNDT ACT.
 - Member of Beti Bachao Beti Padao Committee at District level.
 - General Secretary of Residents Welfare Society, NWZ, Sector 8, Faridabad
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