

Mr. Dipak Kumar Mishra



Contact Information: Department of Electronics Instrumentation and Control Engineering
Government Engineering College, Ajmer, Rajasthan
Barliya Circle, NH-8 Bypass, Ajmer, Rajasthan, Pin- 305025
Mobile: 7978424027, 8348984945
Email Id- dipakmishra13@gmail.com, dipak.silicon@gmail.com

Research Interests: Signal Processing, Biomedical Instrumentation, High-Voltage Engineering

Education: **National Institute of Technology (NIT) Durgapur, West Bengal**

Ph.D (*Engineering*), Thesis Submitted.

- Thesis Title- Development of UHF Sensor based techniques for Detection and Localization of Partial Discharge sources in High Voltage Power systems.
- Supervisors : Dr. Chiranjib Koley (Dept. EE, NIT Durgapur)
Prof. Nirmal Kumar Roy (Dept. EE, NIT Durgapur)

Dr B R Ambedkar National Institute of Technology (NIT) Jalandhar,
Punjab

M.Tech (*Control and Instrumentation Engg.*), 2012 with CGPA- 7.72

- Thesis Title- Estimation of Baroreflex Sensitivity for Cardiovascular System Dynamics Assessment.
- Supervisor: Dr. Dilbag Singh (Dept. ICE, NIT Jalandhar)

Silicon Institute of Technology, Bhubaneswar, BPUT, Orissa

B.Tech (*Applied Electronics and Instrumentation*), 2009 with CGPA-7.24

Buxi Jagabandhu Bidyadhar (BJB) College, Bhubaneswar, CHSE, Orissa

Intermediate (*Science- P, C, M, B*), 2001with 57.44 %

Braja Sundar High School, Sayedpur, Jajpur, BSE, Orissa

Matriculation,1999 with 86.94 %

Teaching Experience: Lecturer (On Contract),

Dept. of Electronics and Telecommunication, From 31.7.2012 to 07.03.2013
Indira Gandhi Institute of Technology, Sarang, Odisha

Assistant Professor (Temporary),

Dept. of Electronics Instrumentation and Control, From 03.01.2018 to Present
Government Engineering College, Ajmer, Rajasthan

Subjects Taught: Analog Electronics, Electronics Instrumentation and Measurement

Technical Skills: Programming Language

Matlab, LabView.

Assembly language programming (8051 μ C, 8085 μ P, 8086 μ P)

Application Package

MS Office Suites, Comfortable in working with all Window Platforms
(Window 7,8,10, 98 and 2000/XP/VISTA)
Good Knowledge of Internet and its applications.

Academic Activities: IEEE Student Member (Membership Number- 92754672)

Fellowships and Grants:

- Received MHRD, Govt. of India Fellowship for Full time Ph.D Program (March 2013- December 2017)
- Received MHRD, Govt. of India Fellowship for Full time M.Tech Program (July 2010- June 2012)

Achievements:

- GATE Qualified in Instrumentation Engineering (2010, AIR-839, Score-444)
- NCC A-certificate holder.

Workshop/ Symposium Attended:

- Application of Soft Computing & Optimization Techniques in Engineering & Engineering science (ASCOTEES-2014) , TEQIP-II, 4th-8th March, 2014, Dept. of EE, NIT Durgapur.
- Modern Trends in Power Electronics, Control and Machine Drives (MTPCMD-2013), TEQIP-II, 11th-15th September 2013, Dept. of EE, NIT Durgapur.
- National Symposium on Instrumentation (NSI-36) on “Hydro-meteorological Instrumentation” at Invertis University Bareilly, held during 20th-22nd October, 2011.

Publications: International Conferences

- Badal Sarkar, **Dipak Kumar Mishra**, Chiranjib Koley and Nirmal Kumar Roy, “*Microstrip patch antenna based UHF sensor for detection of Partial Discharge in High Voltage Electrical Equipments*”, 2014 Annual IEEE India Conference (INDICON), 978-1-4799-5364-6/14, 2014.
- **Dipak Kumar Mishra**, Badal Sarkar, Chiranjib Koley and Nirmal Kumar Roy, “*Localization of Partial Discharge source in High Voltage apparatus using multiple UHF sensors*”, IEEE International Conference on Energy, Power and Environment (ICEPE 2015), 978-1-4678-6503-1/15, IEEE, 2015.
- **Dipak Kumar Mishra**, Badal Sarkar, Chiranjib Koley and Nirmal Kumar Roy, “*Characterisation of Microstrip Patch Antenna Based UHF Sensor for Detection of Partial Discharge,*” 2015 Annual IEEE India Conference (INDICON), 978-1-4673-6540-6/15, 2015.
- **Dipak Kumar Mishra**, Chiranjib Koley and Nirmal Kumar Roy, “*A Novel TDOA Estimation Method for UHF Sensor based PD Localization System in HV Power Apparatus*”, IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT-2017), 978-1-5090-3239-6/17, IEEE, 2017.
- Bhukya Anitha, **Dipak Kumar Mishra** and Chiranjib Koley, “*Localisation of Partial Discharge source through Delay calculation using UHF sensors*”, IEEE International Women in Engineering Conference on Electrical and Computer Engineering (IEEE WIECON-ECE 2017).

International Journals

- **Dipak Kumar Mishra**, Badal Sarkar, Chiranjib Koley and Nirmal Kumar Roy, “*An Unsupervised Gaussian Mixer Model for Detection and Localization of Partial Discharge Sources using RF Sensors*”, IEEE Transactions on Dielectrics and Electrical Insulation. Vol. 24, Issue 4, pp. 2589-2598, August 2017.
- Badal Sarkar, **Dipak Kumar Mishra**, Chiranjib Koley, Nirmal Kumar Roy and Palas Biswas, “*Intensity-Modulated Fiber Bragg Grating Sensor for Detection of Partial Discharges Inside High-Voltage Apparatus*”, IEEE Sensors Journal, Vol. 16, No. 22, pp.7950-7957, Nov. 2016.
- **Dipak kumar Mishra**,Nikhil pachauri.”*Phase synchronization and coherence analysis between ECG and arterial blood pressure*”Published in International journal of computer applications (0975-8887), 44 (18), pp. 27-30, April 2012.
- Sachin Sharma, Gaurav Kumar, **Dipak kumar Mishra**, Debasis Mohapatra.”*Design and Implementation of a Variable Gain amplifier for Biomedical signal Acquisition*” Published in International journal of advanced research in computer science and software engg., 2(2), pp.193-198, Feb 2012.

National Journal

- **Dipak kumar Mishra**, Dilbag Singh, Nikhil Pachauri,” *Effects of Different Physiological Phenomena on the Cardiovascular System*

Dynamics Coupled with Baroreflex -An Overview", Published in
Journal of Instrument society of India, 41(4);pp. 228-232, Dec 2011.

References:

Dr. Chiranjib Koley

Associate Professor

Department of Electrical Engineering, NIT Durgapur, West Bengal

Mobile : 94347 88130

Email: chiranjib.koley@gmail.com

Prof. Nirmal Kumar Roy

Professor

Department of Electrical Engineering, NIT Durgapur, West Bengal

Mobile : 94347 88042

Email: roy.nk2003@gmail.com

Dr. Dilbag Singh

Associate Professor

Department of Instrumentation and Control Engg., NIT Jalandhar, Punjab

Mobile : 98884 92132

Email:drdilbag@gmail.com

Personal Details:

DOB- 1st July 1984

Father- Mr. Dwijabara Mishra

Mother- Mrs. Usharani Panda

Gender- Male

Nationality- Indian

Marital status- Married

Conversant in- English, Hindi and Odia

Permanent Address- At/PO- Kapasi, Via- Chittalo, Dist- Jajpur, Odisha, Pin-
755007.