Resume

Name: SANJOY KUMAR SAHA

Department: ELECTRICAL ENGINEERING

Contact Nos.: 8535948977

Qualifications: PhD

Present Position: Assistant Professor – Grade II

VIDWAN ID: 187511

Experience: (Years with BCREC/Other Places)

Sl. No.	Name of Organization	Duration	Position
1)	**IMPS COLLEGE OF ENGINEERING AND TECHNOLOGY, NITYANANDAPUR, MALDA**	21/09/2004 to 20/07/2007	Lecturer
2)	**DR B C ROY ENGINEERING COLLEGE DURGAPUR**	24/07/2007 to 30/09/2007	Lecturer
		01/10/2007 to 30/06/2010	Sr. Lecturer
		01/07/2010 to till date	Asst. Prof

Date of Joining at the Present Institution: 24/07/2007

Qualifications: (10^{th}/12^{th}/UG/PG)

Examination	University/Board	Year of passing	Division
Secondary	W.B.B.S.E	1992	II
Higher Secondary	W.B.C.H.S.E	1994	II
B.E(Electrical Engineering)	B.I.E.T , SURI (BURDWAN UNIVERSITY)	2003	I
M.Tech	N.I.T DURGAPUR	2005	I

Specialization/Research Interest: Power System/ Radial Distributed Network, ELD, AGC, FUEL CELL

Courses taught:

B.Tech: Network Theory, Control System Engineering, Hybrid Electrical Vehicle, Network Lab, Control System Lab

M.Tech: Power System Planning and Reliability, Non Conventional Source of energy.

Online Mode of Teaching: With the help of Pen Tab
Study materials: Lecture notes, PPT

Publications: (Journals/Conference Proceedings)

Journal

[1] Sanjoy Kumar Saha "Sparse Matrix Solution in Optimum D.C Load Flow by Crout Method" *International Journal of Recent Trend In Engineering, Vol 2, No.7, Nov 2009"ISSN:1797-9617;pp. 66-69.*

[2] Sanjoy Kumar Saha "Reliability Analysis in Cost Optimization By spinning Reserve Technique" International Journal of Recent Trend In Engineering, Vol 3, No.3, May 2010" ISSN:1797-9617.

[3] Sanjoy Kumar Saha "Reliability Contingency Analysis by Static Synchronous Series Compensator in optimal Power Flow" *International Journal of Computer and Electrical Engineering, Vol. 2, No. 5, October, 2010, ISSN:1793-8163; pp. 908-911*.

[4] Sanjoy Kumar Saha, **S**umit Banerjee, Chandan Kumar Chanda "Value-Based System Reliability Planning by Spinning Reserve Technique" *AMSE JOURNALS –2013-Series: Modelling A; Vol. 86; N°1 ; pp. 52-63.*

[5] Sanjoy Kumar Saha, Sumit Banerjee, Santanu Sadhukhan "Optimal Placement of Dispersed Generator in a Radial Distribution Network by Using Path Search Algorithm" *International Journal of Electrical Energy System. Jan-June2014,Vol. 6, No. 1 , 59-68.*

[6] Sanjoy Kumar Saha, **S**umit Banerjee, Chandan Kumar Chanda "Optimal Allocation of Distributed Generator in a Radial Distribution Network By Loss Minimization Technique and Improvement of the Voltage Profile with the help of FACTS Devices" *AMSE JOURNALS –2014-Series: Modelling A; Vol. 87; N°1 ; pp 25-44.*

[7] Sanjoy Kumar Saha, **S**umit Banerjee, Chandan Kumar Chanda "Determination of Optimal Location and Sizing of Distributed Generator in Radial Distribution Systems for Different Types of Loads" *AMSE JOURNALS – 2015-Series: Modelling A; Vol. 88; N° 1; pp 1-23.*

[8] Sanjoy Kumar Saha, **S**umit Banerjee, Chandan Kumar Chanda "Optimal Allocation of Distribution Generator in a Radial-Distribution System Using Self Adaptive Modified Firefly Algorithm with Voltage, Power and Line capacity limit Constraints" *International Journal Power and Energy Conversion- 2015,Vol.06;No.2; pp.148-164.*

[9] Sanjoy Kumar Saha "Comparative Performance Analysis for Placement of Distributed Generator in a Radial Distributed Network " International Journal of Science and Technology, SCIENTIA IRANICA, Under Review.

Conference

1) Sanjoy Kumar Saha, **S**umit Banerjee, Chandan Kumar Chanda " Status of all Branches of Distribution Networks in Chronological order using Distributed Generation at Optimal Position" ICONCE 2014, JIS College of engineering, Kalyani, Jan 16-17, (IEEE Xplore).

2) S K Saha, S Banerjee and C K Chanda, "Optimal Sizing and Location Determination of Distributed in Generation networks", NIT Meghalaya, 12-13 Jun 2015, (IEEE Xplore).

3) Sanjoy Kumar Saha, Soumen Biswas, "Fuzzy Logic and PI Controller Implementation on Dynamic Voltage Restorer" GCAT -2021, Nagarjuna College of Engineering and Technology, 1st & 3rd October 2021, (IEEE Xplore)

4) Sanjoy Kumar Saha, Soumen Biswas, "Performance Analysis of Fuel Cell Based DG Microgrid"IEEE 7th I2CT India, 07th-09th April 2022. (IEEE Xplore) (Under Review)

Supervision of Ph.D/M.Tech / B.Tech Projects:

B.Tech

More than 60 students of B.Tech (Electrical discipline) are guided by me for their final year project since 2007.

M.Tech (Power System Engineering)

Name of student	Year of passing	Title of Thesis
SURAJIT BISWAS	**2020**	RELIABILITY EVALUATION BY DYNAMIC VOLTAGE RESTORE (DVR) OF A SYSTEM
AVISEK GANGULY	**2019**	FUZZY LOGIC AND PI CONTROLLER IMPLEMENTATION ON DYNAMIC VOLTAGE RESTORER
DEBASISH DAS BAIRAGYA	**2019**	FUZZY BASED DC/DC BOOST CONVERTER DESIGN TO ENHANCE EFFICIENCY OF PHOTOVOLTAIC APPLICATION.
AKASH KUMAR	**2018**	ANALYSIS OF AUTOMATIC GENERATION CONTROL USING PID CONTROLLER WITH TCPS DEVICE
MALABIKA DEY,	**2017**	IMPLEMENTION OF A MODEL TO STUDY THE PERFORMANCE OF SOLID OXIDE FULE CELL AS A DISPERSED GENERATOR IN RADIAL NETWORK,
BUMBA NANDY	**2017**	WEAKEST BUS IDENTIFICATION FOR OPTIMAL LOCATION FOR FACTS SYSTEM.
SHUVADEEP SAHA	**2016**	MODELLING AND SIMULATION OF A DYNAMIC VOLTAGE RESTORE (DVR)
SUBHAJIT ROY	**2015**	ASSESSMENT OF MICROTURBINE AND FUEL CELL SOURCE IMPACT ON ELECTRICAL DISTRIBUTION SYSTEM PERFORMANCE
SANTANU SADHUKHAN	**2014**	OPTIMAL PLACEMENT OF DISPERSED GENERATOR IN A RADIAL DISTRIBUTION NETWORK BY USING PATH SEARCH ALGORITHM
NILAKSHI SARKAR	**2014**	OPTIMAL PLACEMENT OF SHUNT CAPACITOR IN A RADIAL DISTRIBUTION SYSTEM USING VOLTAGE STABILITY ANALYSIS
BUDDHA DEB DEWASI	**2013**	SIMULATION OF SYNCHRONOUS MACHINE IN STABILITY STUDY IN POWER SYSTEM
CHANDRACHUR PAL	**2012**	ECONOMIC LOAD DISPATCH OF THERMAL POWER SYSTEM THROUGH SIMULATED ANNEALING TECHNIQUE

Participation in seminar/conference/symposium/workshop/discussion meeting:

a) Role of Reviewer in 2021 , 2nd global Conference For Advanced Technology (GCAT) during 1st and 3rd October 2021(IEEE Bangalore Section)

Participation in faculty development programmes:

Name of the faculty development programmes	Online / Face-to-face	From Date – To Date	Duration	Year	Organized by
Artificial Intelligence using Python	Online	14/09/20 to19/09/20	1 week	2020	Dr. B.C. Roy Polytechnic.

Control Systems & Sensors Technology.	Online	17/08/20 to 21/08/20	1week	2020	ATAL Academy
Energy Engineering	Online	17/09/20 to 21/09/20	1week	2020	ATAL Academy
Recent Trends in Electric Vehicles	Online	05/07/21 to 09/07/21	1week	2021	ATAL Academy
Smart grid monitoring and stability: a microgrid perspective.	Online	24/07/21 to 28/07/21	1week	2021	College of Engineering Vadakara
Higher Education 2020: Requirement and Expectation	Online	08/07/2020 to 12/08/2020	1week	2020	TPCT'S College of Engineering
Smart Technologies in Energy Scenario	Online	10/08/2020 to 14/08/2020	1 week	2020	Budge Budge Institute of technology
Modern Trends of Electrical Engineering and its Applications	Online	20/12/2020 to 24/12/2020	1 week	2020	Dr B C Roy Engineering College, Durgapur
Emerging Trends in Sensors , Security and Smart Automation system (ETSSSAS 2020)	Online	8/07/2020 to 12/07/2020	1 week	2020	B. P. Poddar Institute of Management and Technology
Sustainable Technology - Innovation and Foundation for Future (STIFF-2020)	Online	12/08/2020 to 16/08/2020	1 week	2020	Haldia Institute of Technology, Haldia
Recent Trends in Electric Vehicles and System Design	Online	07/06/2021 to 09/06/2021	1 week	2021	Sahrdaya College of Engineering and Technology
Internet of Things (IoT)	Online	13/04/2021 to 20/04/2021	1 week	2021	Motilal Nehru Government Polytechnic College.
Role of Power Electronics in Renewable Energy System	Online	05/07/2021 to 09/07/2021	1 week	2021	College of Engineering Kidangoor

Organization of events (Dr. B. C. Roy Engineering College)

1) Organizer of an One day Seminar on "Industry Ready Orientation Program" conducted by EE department dated on 04.05.2019 in the college premises.

Participation in administrative committees (selected)

1) Departmental Adviser of Electrical Engineering (EL) Division of The Institute of Engineers (India) student chapter.

2) Departmental Adviser of IEEE student chapter.

3) Active member of Routine Committee from 2014 and Coordinator of Routine Committee from 2017 even semester to 2019 odd semester.

Membership of professional bodies: IEEE, IETE, IEI, CSI, MGMI etc.

IEI (Member id-155346-6)

Brief description of duties/responsibilities:

Other than usual classes, I am actively involved in the documentation activities as required in various accreditation processes like NBA, NAAC and ranking framework like NIFS as assigned by the HOD, Electrical.

Sanjoy Kumar Saha