

Dr. BINOY KRISHNA BISWAS

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Anupama Housing Complex
Kolkata Airport,
Dist.: North 24 Parganas
Pin-700052
State-West Bengal
India



OVERVIEW

- Self-motivated individual, innovative, hardworking, strong analytical skills.
- Willingness to travel, relocate, explore new paradigms and flexibility in adaptation.
- An excellent team player with good communication skills with an ability to work in a team and individual environment par excellence.

EDUCATIONAL QUALIFICATIONS:-

Technical-

- **PhD** under guidance of Prof. Dr. AsishBandhyopadhay and Prof. Dr.PradipKuimar Pal, Mechanical Engineering Dept. at Jadavpur University. Topic: *Some Investigations on Flux Cored Arc Welding Process Through Experiments and Analyses*. Registration date:10/08/2009; Date of Award: 20/07/2015.
- Passed *Master of Technology*, specialization on *Material Engineering* from Jadavpur University with first class in 2007. Marks obtained 73.3%.
- **GATE** Qualified in 2005 with percentile score: 91.94.
- Passed *B-Tech in Mechanical Engineering* from Kalyani Government Engineering College, University of Kalyani with 71.71% marks in 2002.

Academic-

- Passed *Higher Secondary* Examination from the West Bengal Council of Higher Secondary Education in 1996 with first division. Name of the institute: Badkulla United Academy.

- Passed *Secondary* Examination from the West Bengal Board of Secondary Education in 1994 with first division. Name of the institute: Badkulla United Academy.

EXPERIENCE

S.No.	Name and address of employer	Designation	From	To	Duration	Type of organization
1	B. P. Poddar Institute of Management and Technology, 137 VIP Road, Kolkata-700052	Asst. Professor Grade II	May 2007	Continuing	12 years	Degree Engineering College
2	Banik Rubber Industries, 79/2 AJC Bose Road, Kolkata-700009	Trainee Production Officer	Sept. 2004	June 2005	1 year	Manufacturing Industry

COURSES TAUGHT

Sl. No.	Title	Institute	Level	Year
1	Engineering Mechanics (Statics, Dynamics and Strength of material)	B. P. Poddar Institute of Management and Technology	UG	1 st
2	Engineering Thermodynamics and Fluid Mechanics	B. P. Poddar Institute of Management and Technology	UG	1 st
3	Engineering Graphics	B. P. Poddar Institute of Management and Technology	UG	1 st
4	Workshop Practice	B. P. Poddar Institute of Management and Technology	UG	1 st

5	Thermal Power Engineering	B. P. Poddar Institute of Management and Technology	UG	2 nd
5	Thermal Power Engineering Lab	B. P. Poddar Institute of Management and Technology	UG	2 nd
6	Electrical Engineering Material	B. P. Poddar Institute of Management and Technology	UG	2 nd
7	Engineering Mechanics (ES-ME 301)	B. P. Poddar Institute of Management and Technology	UG	2 nd
8	Basic Electrical Engineering (ES-EE 101)	B. P. Poddar Institute of Management and Technology	UG	1 st

FDP/WEBINAR/WORKSHOP ATTENDED

S. No.	Name of the program	Institute	Type of Program	Date		Duration (Day)
				From	To	
1	Fracture Fatigue and Structural Integrity	Jadavpur University	UGC Sponsored Refresher Course	02/07/2007	21/07/2007	20
2	Advances in Joining Process	Jadavpur University	Workshop under TEQIP-II	22/09/2016	23/09/2016	2
3	Mechanical Testing of Material	NITTTR, Kolkata	Short Term Training	02/07/2018	13/07/2018	12
4	Outcome Based Education	AICTE, BPPIMT	Workshop	24/04/2019	25/04/2019	2
5	Aircraft Stealth Technology	IIT, Bombay	FDP	09/11/2019	13/11/2019	5
6	Sustainability Engineering	ATAL FDP	FDP	17/08/2020	21/08/2020	5
7	Engineering Tomorrow	ABP Education,	Webinar	13/06/2020	13/06/2020	1

8	Best Practices for Teaching Online	ABP Education,	Webinar	04/07/2020	04/07/2020	1
9	Alternate Fuels	ATAL FDP	FDP	07/09/2020	11/09/2020	5
10	Waste Technology	ATAL FDP	FDP	18/01/2021	22/01/2020	5
11	Astronomy, Astrophysics and Related Challenges	ATAL FDP, BPPIMT	FDP	04/01/2022	08/01/2022	5
12	Application of AutoCAD in Engineering and Basic Sciences	NITTTTR, Kolkata	Short Term Training	12/09/2022	16/09/2022	6
13	Energy Resources, Economics and Environment	NPTEL	FDP, Online	01/01/2023	30/04/2023	12 WEEK COURSE
14	Non-Conventional Economics and Environment	NPTEL	FDP, Online	01/01/2023	30/04/2023	12 WEEK COURSE
15	Research Methodology	NPTEL	FDP, Online	01/01/2023	30/04/2023	8 WEEK COURSE
16	Emerging Trends and Recent Advancement In Mechanical Engineering (ETRAM-2023)	Abacus Institute of Engineering and Management	FDP, Online	28/08/2023	01/09/2023	1 WEEK COURSE
17	Advances in Materials Science for Sustainable Development and Industrial Applications	ATAL FDP	FDP, Online	10/02/2025	15/02/2025	1 WEEK COURSE
18	Thermo-Fluid Innovation: Bridging Academia & Industry	Dr. B.C. Roy Engineering College, Durgapur	FDP, Online	16/02/2026	21/02/2026	1 WEEK COURSE
19	Classical AI to	Narula	FDP,	16/03/2026	20/03/2026	1

	Quantum Intelligence: Paradigms and Possibilities (Q-Shift AI)	Institution of Technology	Online			WEEK COURSE
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Achievements

S. No.	Work	Institute	Period	Contribution/Achievements
1	Toycathon	Ministry of Education, Innovation Cell	2021	Primary Evaluation
2	Energy Resources, Economics and Environment	NPTEL, FDP 12 Week Course	2023	Topper
3	Non-Conventional Economics and Environment	NPTEL, FDP 12 Week Course	2023	Topper
4	Attended in invited expert committee meeting	The Central Staff Training and Research Institute (CSTARI)	2023	Syllabus finalization
5	Best Performing Faculty Award	BPPIMT	2024-2025	Teaching-learning, Research, Co-curricular activities, Extra-curricular activities
6	Eminent Educator of the Year	All India Eminent Faculty Council of Engineering, Management & Technology	2024	Eminent Educator of the Year from All India Eminent Faculty Council of Engineering, Management & Technology

RESEARCH ACTIVITIES:

(a) Paper publications in National/International Journals:

S.No.	Title of paper	Author(s)	Name of the Journal	Vol. & Year	Pages	ISSN	Date of Publication	Type
1	A Study on Quality of Weld in Flux Cored Arc Welding Process	Binoy K. Biswas, AsishBandyopadhyay and Pradip K. Pal	Int. J. of Precision Technology	Vol. 4 No. ½ 2014	81-95	1755-2060 (Print) 1755-2079 (Online)	14 th April 2014	International
2	Microstructure and microhardness of fluxcored arc-welded joints for boiler quality steel	Binoy K. Biswas, AsishBandyopadhyay and Pradip K. Pal	Int. J. of Advanced Manufacturing technology	Vol. 78 No. 5 -8	2063-2074	(Print) 0268-3768 14333015 (Online)	1 st May 2015 Online	SCOPUS Indexed Journals
3	Optimization of Process Parameters for Flux Cored Arc Welding of Boiler Quality of Steel Using Response Surface Methodology and Grey-based Taguchi Methods	Binoy K. Biswas, AsishBandyopadhyay and Pradip K. Pal	Int. J. of Material, Mechanics and Manufacturing	Vol. 4 No. 1	08-16	ISSN 1793-8198	February 2016	International

(b) Paper presented in National/International Conference:

S.No.	Title of paper	Author (s)	Name of the Conference	Place	Date	Type/ISBN
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1	Synthesis of SiO ₂ /Co nano composite in silica gel matrix through sol-gel route and its characterization	Binoy K. Biswas, Dipu Mistry	National Conference on Nanotechnology and its application in Quantum Computing	Government College of Engineering and Technology	24 th September 2008	National
2	A Study on Quality of Weld in Flux Cored Arc Welding Process	Binoy K. Biswas, AsishBand yopadhyay and Pradip K. Pal	AIMTDR-2012	Jadavpur University	Dec 14 th - 16 th JU 2012	International
3	Effect of welding parameter of FCAW on deposition rate	Binoy K. Biswas, AsishBand yopadhyay and Pradip K. Pal	CBRIT-2013	BPPIMT	March 4 th 2013	National
4	Market Clearing Auction in a Deregulated and Congested Power Market	Dipu Mistry et al.	IEEE ICSPCRE-2024 Published in Google Scholar https://ieeexplore.ieee.org/abstract/document/10675294	IEEE Rourkela Subsection	20 th July 2024	International
5	Managing Transmission Risk through Financial Transmission Right in a Congested Power Market	Dipu Mistry et al.	ISSETA 2024	NIT Meghalaya	23 rd – 24 th February 2024	International
6	Modelling of an Uncontrolled and Controlled Charge of Electric	Dipu Mistry et al.	Recent Trend in Green Sustainability Development in Engineering and Technology	(JIS College of Engineering) IIP	5 th April, 2024 pp 7 - 13	ISBN: 978-93-6252-419-5

	Vehicles			Iterative International Publishers		
7	Slip Risk Assessment of Commonly Employed Athletic Footwear Tread Patterns in the Indoor Sports Activity of Badminton	Subhodip Chatterjee, Binoy Krishna Biswas, Suvanjan Bhattacharya, Shubham Gupta & Arnab Chanda	Recent Trends in Sports Engineering (ICSE 2023) https://link.springer.com/chapter/10.1007/978-981-97-8297-0_18	Print ISBN 978-981-97-8296-3 Online ISBN 978-981-97-8297-0	Conference paper First Online: 14 March 2025 pp 229–238	International Book Chapter

BOOKS PUBLISHED:

S. No.	Name of book/monograph/Book chapters	Name of Co-author, if any	Year of Publication	Publisher with address
1	Electrical Engineering Materials (A text book)	Ms. Dipu Mistry	2010	VIKASH Publishing House PVT LTD, E-28, Sector 8, Naida, 201301 (UP)
2	Diploma Mathematics II Translated in Bengali	Author: Dr. Garima Sing Translator: Dr. Binoy Krishna Biswas	2022	Translation of Technical Books in Regional Language scheme of AICTE for 1st year Publisher: Khanna Book Publishing Co. (P) Ltd. New Delhi – 110002 ISBN: 10:93-5538-142-5 Email: contact@khannabooks.com Website: www.khannabooks.com

AWARD

Received Certificate of Achievement as “**Eminent Educator of the year**” on 5th July 2024 by the All India Eminent Faculty Council of Engineering, Management & Technology.

JOB RESPONSIBILITIES/ROLES

S. No.	Responsibility	Role
1	Routine Preparation	Departmental Routine Committee Member
2	Set-up all the laboratories in ME Dept.	Departmental
3	Organizing events Institute Innovation Cell	Member
4	Member of NBA Committee	Member
5	Member of Anti Ragging Committee	Member
6	Coordinator Ro-Combat (Tech fest event)	Member
7	Member of Language-fest Committee	Member
8	Institute Innovation Cell (IIC)	Member
9	Equal Opportunity Cell (EOC)	Coordinator
10	Tech-Fest Committee	Member

Professional Body Membership

Sl. No.	Name of the Professional Body	Member Number	Date of Joining
1	International Association of Engineers	377145	26 th June 2024
2	Institute of Engineers-Member (India)	Refno:240101128820	12 th April 2024

PERSONAL DETAILS

Father's Name: Late Kshitish Biswas

Mother's Name: SmtRadha Biswas

Date of Birth:24thNov. 1978.

Sex: Male.

Marital Status:Married.

Health:Excellent.

Language Known: Bengali, English and Hindi.

Interest: Art,Music, Story Book, Writing etc.

Nationality:Indian.

Declaration:

I hereby declare that the statements furnished above are true and correct to the best of my knowledge and belief.



Date: 09. 05.202026

Place: Kolkata

(Dr. Binoy Krishna Biswas)