

Name: Mr: Dipak Kumar Dhak

Department: Electrical Engineering

Contact Nos.: 9434074905



Qualifications: M. Tech. (Electrical System)

Designation: Assistant Professor

Experience (Teaching / Research / Industry, in years):

- 1) Teaching Experience = 12 years and 6 months.
- 2) Industrial Experience = 14 years

Date of Joining at the Present Institution: 12<sup>th</sup> December'2012

Examinations Cleared: NET-CSIR/GATE

Qualifications Summary (Reverse chronological order):

Degree	% of Marks	Division/class	Institute	From - To	Subjects
Ph.D.(Pursuing)	Not Applicable	Not Applicable	MAKAUT, West Bengal	01/10/2018 (date of enrolment)	Investigation of Resiliency of Large Power System Network)
M.Tech.	78.5%(Grade-8.35)	1 <sup>st</sup> class	N.I.T.-Durgapur	From 2008 to 2011	Electrical System
B.E.	70%	1 <sup>st</sup> class	R.E.C-Durgapur(presently N.I.T-Durgapur)	From 1989 to 1993	Electrical Engineering
H.S.(Class-XII)	67.7%(Rank-188)	1 <sup>st</sup> division	WBCHSE	1988	Science
M.P.(Class-X)	72.2%	1 <sup>st</sup> Division	WBBSE	1985	Science, Social science, English, Bengali etc.

**Experience Summary (In chronological order):**

Designation	Organisation	From	To
Assistant Engineer (Electrical Deptt.)	B.O.G.I(A Govt. of India Undertakings)-Durgapur, West Bengal	Sept'1993	July'2007
Lecturer (Electrical Engineering Deptt.)	Aryabhata Institute of Engg. & Management, Panagarh, West Bengal	Sept'2007	January'2008
Lecturer (Electrical Engineering Deptt.)	Bankura Unnyani Institute of Engineering, Bankura (WB)	January'2008	July'2008
Assistant Professor (Electrical Engineering Deptt.)	Durgapur Institute of Advanced Technology & Management, Rajbandh, Durgapur (WB)	August'2008	December'2012
Assistant Professor (Grade II) (Electrical Engineering Deptt.)	Dr B.C.Roy Engineering College, Durgapur(WB)	December'2012	Till date

**Specialization/Research Interest:** Research interest on Electric Machines, Power Electronics.

**Awards & Recognitions**

Best paper/ scholarship/Position in university exam / awards while at industry/ other organizations etc.

- 1) Awarded National Scholarship for the result of Higher Secondary Examination in the year 1988 (Rank -188 in West Bengal Board)
- 2) Topper and Gold Medal in Electrical Machine- II (NPTEL Course,2019)
- 3) Topper and Gold Medal in Electrical Machine -I (NPTEL Course,2019)

**Courses taught:**

B.Tech	Theory	1) Electrical Machines-(I), 2) Electrical Machines-(II),3) Basic Electrical Engineering, 4) Electric Drives, 5) Control Systems-(I), 6) Control Systems-(II), 7) Power Electronics (EE-504&EC-603), 8) Circuit Theory & Networks, 9) Electromagnetic Theory
	Practical	Electric Machine I Lab(EE491), Electric Machine II Lab (EE591), Electric Drives Lab (EE791) , Basic Electrical Lab( ES-EE191)
M.Tech	Theory	FACTS Devices.

**Online Mode of Teaching:**

The Faculty member needs to specify the online teaching/ assessment method adopted. (Link to any faculty created resources for Lecture notes / PPT/ Video Lecture etc. in Google Drive / Weblink etc)

**Publications:**

**Journal: Nil**

**Conference: One**

(Name of Author/Vol./Year/Page No. etc.) 1. D. Mazumdar, **D. Sinha**, S. Panja, and D. K. Dhak, Design of LQR Controller for Solar Tracking system, IEEE conference on ICECCT 2015 held at Coimbatore, pp. 432-435, March, 2015. [10.1109/ICECCT.2015.7226000](https://doi.org/10.1109/ICECCT.2015.7226000)

**Book: Nil**

**Book Chapter: Nil**

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

**For Ph.D: Nil**

**Projects:**

Project Guide for 6 Nos. of B.Tech. Project and 2 Nos. of M. Tech Project.

**Invited Lectures: Nil**

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

Sr. No.	Sponsored by	Name of Topics	Organised by	Duration	Date from – Date to
1	Dr. B.C. Roy Polytechnic College, Durgapur	Modern Trends in Electrical Engineering	Dr. B.C. Roy Polytechnic College, Durgapur	One week	23 <sup>th</sup> June to 27 <sup>th</sup> June
2	Short term course sponsored by TEQIP-II	Emerging Trends and challenges of modern Power Systems(ETCMPS- 2016)	NIT- Durgapur	One week	5 <sup>th</sup> July to 9 <sup>th</sup> July, 2016
3	Winter school sponsored by MHRD/AICTE	Integrated Operation of Large Scale Modern Power Systems	NIT-DGP	Two weeks	12 <sup>th</sup> January to 24 <sup>th</sup> January-2009
4	Seminar sponsored by TEQIP	Latest Technologies in High Voltage Power System	NIT-DGP	Two days	March 30-31,2009
5	Seminar sponsored by TEQIP	Trends in Power Electronics, Electrical Machine and Drives	NIT-DGP	Two days	February 26-27, 2009
6	Workshop sponsored by BCREC	Recent Trends in Machine Intelligence, Data Mining and Soft Computing Techniques and its impacts on Research and Development	BCREC	Two days	November 23 to 24, 2013

**Participation in faculty development programmes.**

Sr. No.	Program name	Course name	Name of organizing institute	Duration	Year of completion	% of Marks	Remarks
1	NPTEL Online Course	Electrical Machines-II	IIT- Kharagpur	12 weeks	Jan-2019 to April-2019	94%	<b>Topper &amp; Gold Medallist</b>
2	NPTEL Online Course	Fundamental of Electric Drives	IIT- Kanpur	8 weeks	July-2019 to September-2019	85%	<b>Silver Medallist</b>
3	NPTEL Online Course	Electrical Machines-I	IIT- Kharagpur	12 weeks	July-2019 to Dec-2019	90%	<b>Topper &amp; Gold Medallist</b>
4	NPTEL Online Course	Introduction to Research	IIT- Madras	8 weeks	July-2019 to Dec-2019	79%	<b>Silver Medallist</b>
5	NPTEL Online Course	High Voltage DC Transmission Systems	IIT- Madras	12 weeks	Jan-2020 to April-2020	89%	<b>Covid-19 impacted January-2020 Semester</b>
6	NPTEL Online Course	Control Engineering	IIT- Madras	12 weeks	Jan-2020 to April-2020	87%	<b>Covid-19 impacted January-2020 Semester</b>

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

**Participation in administrative committees (selected):**  
Co-ordinator of Vocational Training of EE students

**Project Ideas Submitted to Govt. Agencies/ On-going Projects / Research Ideas under preparation & execution: Nil**

**Membership of professional bodies: IEI**